

TRANSPORTATION AND TRAVEL  
COMMERCIAL CONTAINERS  
FOR  
DEPARTMENT OF DEFENSE  
HOUSEHOLD GOODS SHIPMENTS

DECEMBER 1998

THIS REPLACES THE  
MAY 1992 EDITION

MILITARY TRAFFIC MANAGEMENT COMMAND  
200 STOVALL STREET  
ALEXANDRIA, VA 22332-5000

## FORWARD

This pamphlet is issued to provide information pertaining to commercially-owned shipping containers used for the movement and storage of Department of Defense (DOD) sponsored personal property shipments.

This pamphlet does not apply to Government-owned shipping containers. Information regarding these containers may be found in the most recent issue of Federal Specification PPP-B-580, Box, Household Goods.

DEPARTMENT OF THE ARMY  
HEADQUARTERS, MILITARY TRAFFIC MANAGEMENT COMMAND  
200 Stovall Street  
Alexandria, VA 22332-5000

MTMC Pamphlet  
No. 55-12

14 December 1998

Transportation and Travel  
COMMERCIAL CONTAINERS FOR DEPARTMENT OF DEFENSE  
HOUSEHOLD GOODS SHIPMENTS

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This pamphlet supersedes MTMC Pam 55-12, 1 May 1992

MTMC PAM 55-12

FOR THE COMMANDER:

OFFICIAL:

J. Douglas Foye  
Colonel, GS  
Chief of Staff

DISTRIBUTION:  
Special

## SECTION I

### GENERAL

1001. Purpose. To provide ready information concerning the approval and use of commercially-owned containers approved by the Military Traffic Management Command (MTMC) for DOD sponsored personal property shipments. Information contained herein does not apply to Government-owned shipping containers. Information regarding these containers may be found in the most recent issue of Federal Specification PPP-B-580, Box, Household Goods.

1002. Scope.

a. Section II provides criteria for use of containers; Section III provides selected references; Section IV provides container inspection procedures and MT Form 356-R, Container Inspection Report; and Section V lists commercially-owned containers approved by MTMC.

b. Users of this pamphlet are encouraged to submit recommended changes or comments on its improvement. Comments should be keyed to the specific page and paragraph, with rationale, and forwarded to the Commander, MTMC, ATTN: MTOP-T-PS, 5611 Columbia Pike, Falls Church, VA 22041-5050.

1003. Responsibilities.

a. HQMTMC, Deputy Chief of Staff for Operations, Transportation Services, Personal Property Division:

- (1) Approve all containers.
- (2) Update list of approved containers.
- (3) Monitor the container program on a worldwide basis.

b. Carrier/container manufacturers:

(1) Furnish test reports from an independent testing laboratory for containers when requesting MTMC container approval. Test container in accordance with the most recent issue of ASTM-D-4169, "Standard Practice for Performance Testing of Shipping Containers and Systems".

(2) Use MTMC approved-containers for all containerized shipments of personal property.

c. Personal property shipping offices (PPSOs):

(1) Assure that carriers use only MTMC approved containers. These containers must be in sound condition (no holes, not deteriorated, properly caulked).

(2) Prohibit the use of unapproved or unsatisfactory containers.

(3) Inspect containers for MTMC approval number, container markings and general condition. Inbound shipments with container deficiencies will be reported to origin PPSO.

d. MTMC Military Ocean Terminals will monitor containers transiting the terminals and report use of unapproved or unsatisfactory containers to origin PPSO.

e. Military Airlift Command terminals will report the use of unserviceable containers to the origin shipping office.

1004. DOD Container Policy. DOD does not restrict the carriers as to types of material, length, width or height of commercially developed containers, DOD does require; however, that all containers be constructed in such a manner as to satisfy the testing requirements of ASTM-D-4169.

1005. Summary. This pamphlet applies for the use of commercially-owned personal property containers, on a worldwide basis.

## SECTION II

### CRITERIA FOR USE OF CONTAINERS

2001. General. Carriers will use only MTMC approved containers which are in sound condition. The PPSO may (under certain conditions) authorize use of Government-owned containers, PPP-B-580, with a reduced cost to the Government in accordance with appropriate tariffs/tenders or require use if a waiver authorization has been granted by MTMC. Under the waiver provision, reduced cost to the Government does not apply. When approved, the Government-owned containers must be in sound condition and free from visible defects.

2002. Code of Service.

a. Approved containers must be used for the following codes or types of service:

- (1) Code 2 - Domestic, door-to-door container movement.
- (2) Code 3 - International, door-to-door container movement.
- (3) Code 4 - International, door-to-door container movement.
- (4) Code 5 - International, door-to-door container surface-Government movement.
- (5) Code T - International, door-to-door air movement.

b. MTMC approved containers are authorized for use on shipments moving under packing and containerization contracts when this mode of service is selected by the PPSO. When this service is ordered and commercial containers are used, the container requirements outlined in this pamphlet will apply.

2003. Container Markings. All MTMC approved containers used for the movement of DOD-sponsored cargo will be branded with the approval number at the top right hand corner of both side panels and the nonremovable end panel with 1 1/2 inch numerals, such as "MTMC-000A." Other container markings will be in accordance with the Defense Transportation Regulation, Volume IV.

2004. Wooden Overflow Boxes. Overflow boxes will be constructed in accordance with Federal Specification PPP-B-601, "Boxes, Wood, Cleated Plywood, Style A or B," and will be caulked during assembly. Overflow boxes do not require an MTMC approval number.

2005. Container Closure Sealing and Reinforcement. Containers which require a sealant/caulking material applied to the joints and door to ensure watertightness will be sealed/caulked prior to containerization of each shipment. Usage may cause the caulking to become dry, brittle or dislocated from the container joints and seams. Recaulking, on an as needed basis, is required to maintain the watertightness of the container. Testing has determined that the most effective method to seal/waterproof a container is to caulk all seams with the

exception of the horizontal floor seams. This should be done during the initial assembly process. When recaulking is necessary to ensure the watertightness of the container, recaulking on the inside of the container seams/joints is acceptable. Doors will be caulked on the inside joint before nailing or bolting and not on the outside container seams. Caulking material must be applied to all patched and repaired areas of the container. Closure of the container must be performed in accordance with the guidelines indicated in the container bill of materials contained herein or other commercially accepted methods. It is recommended that containers be reinforced with steel banding to prevent pilferage. Banding should be steel strapping a minimum of 3/4 of an inch in width. Two bands should be placed vertically 1/3 inch from each container end and one band placed horizontally at the container center. These procedures are suggested for all containers used for DOD-sponsored cargo. Overflow boxes will be caulked during the assembly process and banded in accordance with the requirements outlined in Federal Specification PPP-B-601.

2006. Stacking Containers. Containers are tested in accordance with ASTM-D-4169, "Standard Practice for Performance Testing of Shipping Containers and Systems." Containers may be double or triple stacked depending on size, total gross weight and condition. Limiting factors would be size of the warehouse where containers are stacked and type of equipment available for stacking the containers.

2007. Shipment Markings. Individual shipment markings will be stenciled on two surfaces (one side and one end panel) of each container. Marking will be done in accordance with the requirements of the Defense Transportation Regulation, Volume IV, or other applicable specification as ordered by the PPSO.

2008. Carrier Container Marking. Carriers are encouraged to identify their containers by assigning a serialized number or other identification code to each approved container. It is recommended that this number be branded or stenciled on the container to assist in the overall identification of the shipment.

2009. Variances in Construction Materials.

a. Recent advancements in the manufacturing process of construction and industrial grades of plywood have resulted in the manufacture of slightly thinner panels. This new manufacturing technique has caused a slight decrease in the strength and tare weight characteristics of containers used in the transportation of personal property. These variances are considered minimal and if containers were to be retested, they generally would continue to pass the test requirements. However, these variances do present a difference in actual specifications and bill of materials originally approved. In some instances, upon inspection by quality control personnel, such containers have been rejected because of not meeting the specifications outlined in the pamphlet.

b. In order to alleviate this problem and to provide a system or method for inspectors to have an easily accessible identifier for containers manufactured with the new thinner and lighter panels, a code has been devised to identify these containers from originally approved containers. All containers constructed with the new thinner material will be branded with an "XI" after the MTMC approval number (example: MTMC000(X)), as identified in Paragraph 2003.



2010. Fiberboard Containers. Carriers may use corrugated fiberboard containers for the containerization of overflow and oversize articles or to containerize small personal property shipments. When fiberboard containers are used they must, as a minimum, meet the requirements of Specification ASTM-D-5168, "Standard Practice for Fabrication and Closure of Triple Corrugated Fiberboard Containers." Fiberboard containers which exceed a gross of 15 cubic feet and 300 pounds must be secured to a four-way entry wooden pallet. Unless specifically approved by HQMTMC, ASTM-D-5168 fiberboard containers will not exceed 96 cubic feet.

a. After the container has been packed, it will be sealed by having all seams, corners, and joints taped with a minimum two inch wide waterproof tape. The tape applied to the manufacturers joint will cover the joint but not extend over the corners of the box onto the adjacent panels.

b. After sealing, the container will be reinforced with steel or nonmetallic strapping. The banding will be tensioned sufficiently to effect adequate closure without damaging the fiberboard. The container will be banded both vertically and horizontally. One band will be placed vertically at each end of each side encircling the top, sides, and bottom. When the distance between the vertical bands is greater than 18 inches, additional band or bands will be required to provide support. One horizontal band is also required at the center point of the container encircling the sides and ends.

c. Individual shipment markings will be stenciled on two surfaces (one side and one end panel) of each fiberboard container. Markings will be in accordance with the requirements of the Defense Transportation Regulation, Volume IV or other applicable specifications as ordered by the PPSO. In addition, whenever the container's contents include fragile or delicate items, the container must be marked "THIS END UP" on both sides and ends. Each container will bear a boxmaker's certificate which certifies that the container meets the requirements of Specification ASTM-D-5168 or A-A-2876, "Commercial Item Description, Boxes Shipping Corrugated Fiberboard, High Strength Weather Resistant, Double Wall." The boxmaker's certificate will contain name of manufacturer, bursting strength, minimum combined weight facings, size limit, gross weight, and information indicating type of carton (single wall, double wall, etc.). Certificate may be round or rectangular and is usually located on the bottom panel or bottom outer flap. In addition, all containers in excess of 15 cubic feet will be marked with the total cubic feet based on the outside dimensions. These markings will be placed in a corner of one panel or other appropriate area which will ensure visibility when the box is fully assembled.

2011. MTMC Approved Fiberboard Containers. Three companies (Schumacher Wellpappi, Ansbach, West Germany; Beghim-Say, Kayserberg, France; Service Packaging Company, Honolulu, Hawaii) have received MTMC approval for fiberboard containers which exceed 96 cubic feet. The containers must reflect name of manufacturer, cube, and the words "MTMC approved." Also, The Servants, Inc. has received approval for container #229, which is a fiberboard container.

### SECTION III

#### SELECTED REFERENCES

3000. The following publications are applicable and provide additional information on the container program:

a. DOD Publications.

- (1) Defense Transportation Regulation, Volume IV
- (2) DOD 4500.32R - Military Standard Transportation and Movement Procedures (MILSTAMP)

b. Performance Specifications.

- (1) PPP-B-580 - Box, Household Goods
- (2) PPP-B-601 - Boxes, Wood, Cleated-Plywood
- (3) ASTM-D-5168 - Standard Practice for Fabrication and Closure of Triple Corrugated Fiberboard Containers
- (4) A-A-2876 - Commercial Item Description, Boxes Shipping Corrugated Fiberboard, High Strength Weather Resistant, Double Wall

## SECTION IV

### CONTAINER INSPECTIONS

4000. Container Inspection Report. MT Form 356-R, Container Inspection Report, may be used in reporting substandard carrier containers. Local reproduction of this form by PPSOs and transit terminals is authorized. It is suggested that the completed form be distributed to the origin and destination PPSOs, as appropriate, and the carrier.

4001. Inspection Checklist. During the inspection process, the inspecting official should review and check the areas listed below:

- a. Holes. The container should be free of all holes and similar defects.
- b. Patched Areas. Patches will not exceed 30 percent of the total area of the container. All patches should fit snugly and securely. Each patch must be properly caulked.
- c. Caulking. All new containers should be caulked during the assembly process. Recaulking on an as needed basis is acceptable. All joints and seams, with the exception of the horizontal floor seam, must be caulked.
- d. Rubbing Strips (SKIDS). All rubbing strips or SKIDS should be securely attached to maintain the container in a stable upright position when loaded.
- e. Door. The door should fit snugly without any openings or areas which would expose the containers interior or contents.
- f. Side and End Panels. Plywood panels should normally not show evidence of ply separation that would significantly affect the containers' structural integrity. Plywood panels should not have frayed edges where nails have to be driven to hold them in place against the top, bottom, ends and sides. Frayed edges can be covered by a proper brace. There should be no rotten side or end panels and there should be no extreme warping present.
- g. Marking. All markings which pertain to previous shipments, with the exception of carrier container identification marks, must be completely obliterated. If the container is being inspected while in use, marking should conform to the Defense Transportation Regulation, Volume IV.
- h. Roof, Plywood should be intact with no separation of the plys and no excessive warping. The top should fit snugly against all sides and ends and should not sag excessively.
- i. Braces. The braces on all edges (top and bottom of all sides and ends) should be intact with no broken, split or gouged areas. All braces should be caulked.
- j. Bottom. The plywood on the bottom should be snugly fitted to the side and end panels. There should be no excessive sagging and the plywood should not be rotten or have separation of the plys.

## MTMC PAM 55-12

k. Bands. Bands should be made of a steel material a minimum of 3/4 inches wide and placed according to MTMC PAM 55-12, Section II, Paragraph 2005.

4002. Serviceable/Unserviceable Container. A serviceable container is one that is in sound condition and free from visible defects. If repairs/patches, other than minor ones, are necessary, they will not exceed 30 percent of the total area of the container or cost of repairs will not exceed 50 percent of the container replacement cost (estimated cost of a new container is \$150-\$160). An unserviceable container is one which does not meet the above criteria.

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# CONTAINER INSPECTION REPORT

MTMC FORM 55-12

1. DATE (Mo/Day/Yr)	2. GBL	3. TON
4. ORIGIN PPSO	5. GBLDC	6. DESTINATION PPSO
7. GBLDC	8. NAME OF PROPERTY OWNER (Last, First, MI)	9. BANK
10. SOCIAL SECURITY NUMBER	11. NAME OF CARRIER	12. SEAC
13. CODE OF SERVICE	14. NOD	

15. INSPECTION SITE (Check appropriate box)

☐ FACILITY

☐ RESIDENCE

☐ TRANSIT TERMINAL

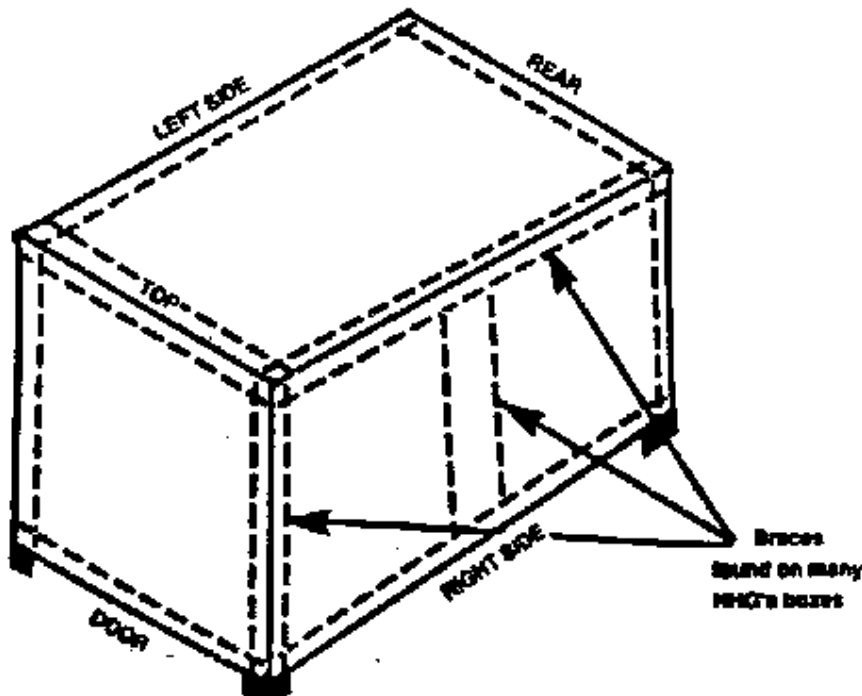
☐ WAREHOUSE

## DISCREPANCY DATA

16. CARRIER CONTAINER NO	17. MTMC APPROVAL NO	18. DISCREPANCY

20. RECORD THE LOCATION OF ANY OBSERVED DEFICIENCIES ON THE FIGURE BELOW.

CR = CRACKED  
RT = ROTTEN  
HL = HOLE  
WP = WARPED  
MS = MISSING  
SP = SPLITTING  
SG = SAGGING  
FR = FRAYED  
NK = NOT CAULKED



21. SIGNATURE OF INSPECTING OFFICIAL	22. INSPECTION ACTIVITY	23. DISTRIBUTION

EDITION OF APR 85 IS OBSOLETE.

INSPECTION CHECKLIST. During the inspection process, inspecting official should review and check the areas listed below.

- a. Holes. The container should be free of all holes and similar defects.
- b. Patched Areas. Patches will not exceed 30% of the total area of the container. All Patches should fit snugly and securely. Each patch must be properly caulked.
- c. Caulking. All new containers should be caulked during the assembly process. Recaulking on an as needed basis is acceptable. all joints and seams, with the exception of the horizontal floor seam, must be caulked.
- d. Rubbing Strips (SKIDS). All rubbing strips or SKIDS should be securely attached to maintain the container in stable upright position when loaded.
- e. Door. The door should fit snugly without any openings or areas which would expose the container's interior or contents.
- f. Side and End Panels. Plywood panels should normally not show evidence of ply separation that would significantly affect the container's structural integrity. Plywood panels should not have frayed edges where nails have to be driven to hold them in place against the top, bottom, ends and sides. Frayed edges can be covered by a proper brace. There should be no rotten side or end panels and no extreme warping present.
- g. Marking. All markings which pertain to previous shipments, with the exception of carrier container identification marks, must be completely obliterated. If the container is being inspected while in use, markings should conform to the Defense Transportation Regulation, Volume IV.
- h. Roof. Plywood should be intact with no separation of the plies and no excessive warping. The top should fit snugly against all sides and ends and should not shag excessively.
- i. Braces. The braces on all edges (top and bottom of all sides and ends) should be intact with no broken, split or gouged areas. All braces should be caulked.
- j. Bottom. The plywood on the bottom should be snugly fitted to the side and end panels. There should be no excessive sagging and the plywood should not be rotten or have separation of the plies.
- k. Bands. Bands should be made of a steel material a minimum of 3/4 inches wide and placed according to MTMC PAM 55-12, Section II, Paragraph 2005.

SECTION V

LIST OF MTMC APPROVED CONTAINERS

<u>NUMBER</u>	<u>MANUFACTURER</u>	<u>PAGE</u>
101A	Stan Flowers Company	V-1
101B	Stan Flowers Company	V-2
110F	Eckol Packaging Company	V-3
110G	Eckol Packaging Company	V-4
111A	ERO/Goodrich Forest Products, Inc.	V-5
112E	Global International	V-6
114A	Y. Higa Enterprises, Ltd.	V-8
115B	Household Goods Container Leasing, Inc.	V-9
115C	Household Goods Container Leasing, Inc.	V-11
115D	Household Goods Container Leasing, Inc.	V-13
116A	Jacksonville Box and Woodwork Company	V-14
116B	Jacksonville Box and Wordwork Company	V-15
117C	Jet Forwarding Company	V-16
120A	World Container Company	V-17
120B	World Container Company	V-18
120C	World Container Company	V-19
120D	World Container Company	V-20
120E	World Container Company	V-21
120F	World Container Company	V-22
120G	World Container Company	V-23
120H	World Container Company	V-24
123B	Interdean N.V.	V-25
123C	Interdean N.V.	V-26
125A-1	Ceasar Fuchs & Cie	V-27
125A-2	Huber & Sohn	V-29
125A-3	Kollmar-Holzbau	V-30
125B-1	Caesar Fuchs & Cie	V-31
125B-2	Huber & Sohn	V-32



LIST OF MTMC APPROVED CONTAINERS (Cont'd)

<u>NUMBER</u>	<u>MANUFACTURER</u>	<u>PAGE</u>
125B-3	Kollmar-Holzbau	V-33
126A	WER-GA Verpackungen Gmbh	V-35
127A	W. Boote and Sons, Ltd.	V-36
128A	Putters International Moving Service	V-37
128B	Putters International Moving Service	V-38
129A	Transportes Internacionales Ferris S.A.	V-39
130A	F. Gil Stauffer International Transports	V-40
131A	A-1 Woodworks, Inc.	V-41
132A	Gurnett Lyons & Co., Ltd.	V-42
133A	ERO/Goodrich Forest Products, Inc.	V-43
133B	ERO/Goodrich Forest Products, Inc.	V-44
133C	ERO/Goodrich Forest Products, Inc.	V-45
133D	ERO/Goodrich Forest Products, Inc.	V-46
133E	ERO/Goodrich Forest Products, Inc.	V-47
134A	Aeroweld Company	V-48
134B	Aeroweld Company	V-49
134C	Aeroweld Company	V-50
134D	Aeroweld Company	V-51
135A	Vanpac Carriers, Inc.	V-52
135B	Vanpac Carriers, Inc.	V-53
136A	J. Muller-Zeiner K.G.	V-54
136B	J. Muller-Zeiner K.G.	V-55
136C	J. Muller-Zeiner K.G.	V-56
137A	Ditta Brutti Glancario	V-57
137B	Ditta Brutti Glancario	V-58
138A	Higa Fast Pac, Inc.	V-59
139A	Smyth Worldwide Movers	V-60
139B	Smyth Worldwide Movers	V-61
139C	Smyth Worldwide Movers	V-62
139D	Smyth Worldwide Movers	V-63

LIST OF MTMC APPROVED CONTAINERS (Cont'd)

<u>NUMBER</u>	<u>MANUFACTURER</u>	<u>PAGE</u>
139E	Smyth Worldwide Movers	V-64
139F	Smyth Van Lines, Inc.	V-65
139G	Smyth Van Lines, Inc.	V-66
139H	Smyth Van Lines, Inc.	V-67
140A	Intexpak, Inc.	V-68
140B	Intexpak, Inc.	V-69
141A	Bear Van Lines	V-70
141B	Bear Van Lines	V-71
142A	SIT Transportes Internacionales, S.A.	V-72
143A	Hampton Roads Box Company, Inc.	V-73
143B	Hampton Roads Box Company, Inc.	V-74
143B-1	Hampton Roads Box Company, Inc.	V-75
143C	Hampton Roads Box Company, Inc.	V-76
144A	Gurnett Lyons (PB) Company, Limited	V-77
145A	U-Pak Corporation	V-78
146A	Global International	V-79
146B	Global International	V-80
147A	Crown pacific Limited	V-82
148A	Precision Wood Products, Inc.	V-83
148B	Precision Wood Products, Inc.	V-84
148C	Precision Wood Products, Inc.	V-86
148D	Precision Wood Products, Inc.	V-88
149A	Karevan, Incorporated	V-90
150A	Port Transport, Incorporated	V-91
151A	Arbi Container Company	V-92
151B	Arbi Container Company	V-93
151C	Arbi Container Company	V-94
151D	Arbi Container Company	V-95
151E	Arbi Container Company	V-96
151F	Arbi Container Company	V-97
151G	Arbi Container Company	V-98
151H	Arbi Container Company	V-99
151J	Arbi Container Company	V-100

LIST OF MTMC APPROVED CONTAINERS (Cont'd)

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152A-1	Container Systems, Incorporated	V-102
152B	Container Systems, Incorporated	V-103
152C	Container Systems, Incorporated	V-104
153A	Thru Container Services, Inc.	V-106
154A	F.S. Turner & Co. (Packaging) Limited	V-107
155A	Tanaka Container Manufacturing Company	V-108
155B	Tanaka Container Manufacturing Company	V-109
156A	Ditta Tullio Tescari	V-110
156B	Ditta tullio Tescari	V-111
157A	Walker Pack Limited	V-112
158A	Luzon Brokerage Corporation	V-113
159A	Golden State Containers, Inc.	V-114
159B	Golden State Containers, Inc.	V-115
159C	Golden State Containers, Inc.	V-116
159D	Golden State Containers, Inc.	V-117
159E	Golden State Containers, Inc.	V-118
159F	Golden State Containers, Inc.	V-119
159G	Golden State Containers, Inc.	V-120
159H	Golden State Containers, Inc.	V-121
160A	Columbia Export Packers, Inc.	V-123
161A	Custom Form Manufacturing Company	V-124
162A	YuJin Industries, Limited	V-125
162B	YuJin Industries, Limited	V-126
162C	YuJin Industries, Limited	V-127
163A	Mactan International, Incorporated	V-128
164A	Four Winds Forwarding, Incorporated	V-129
165A	J. Blakely, Incorporated	V-130
165B	J. Blakely, Incorporated	V-131
165C	J. Blakely, Incorporated	V-132
165D	J. Blakely, Incorporated	V-133
166A	Martin Services and Supply	V-134

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<u>NUMBER</u>	<u>MANUFACTURER</u>	<u>PAGE</u>
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168A	Transport Contractors, Inc.	V-136
169A	Graebel/Lightning Movers, Inc.	V-137
170A	Hanjin Transportation Company Limited	V-138
170B	Hanjin Transportation Company Limited	V-139
171A	Yongsan Transportation Company, Limited	V-140
171B	Yongsan Transportation Company, Limited	V-141
172A	Youngjin Trade and International Company	V-142
172B	Youngjin Trade and International Company	V-143
172C	Youngjin Trade and International Company	V-144
173A	C.A.P.I. S.P.A.	V-146
174A	Woodcraft Manufacturing Company	V-147
174B	Woodcraft Manufacturing Company	V-148
175A	Today Van Lines, Limited	V-150
176A	Asia Container Corporation	V-151
177A	Alaska Forwarding Services, Inc.	V-152
178A	Container Dynamics, NV	V-154
178B	Container Dynamics, NV	V-155
178C	Container Dynamics, NV	V-156
178D	Container Dynamics, NV	V-157
179A	Power Packing Case Makers, Limited	V-158
180A	Flomaton Grain, Incorporated	V-159
181A	EPS (Banbury) Limited	V-160
181B	EPS (Banbury) Limited	V-161
182A	Imperial Enterprises of Louisiana, Inc.	V-162
183A	Service Packaging Corporation	V-163
184A	Box and Lumber Company	V-164

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186B	Jacksonville Box & Woodwork Company, Inc.	V-167
186C	Jacksonville Box & Woodwork Company, Inc.	V-168
186D	Jacksonville Box & Woodwork Company, Inc.	V-170
186E	Jacksonville Box & Woodwork Company, Inc.	V-172
186F	Jacksonville Box & Woodwork Company, Inc.	V-174
186G	Jacksonville Box & Woodwork Company, Inc.	V-176
186H	Jacksonville Box & Woodwork Company, Inc.	V-178
186I	Jacksonville Box & Woodwork Company, Inc.	V-180
187A	ERO/Goodrich Forest Products, Inc.	V-182
187B	ERO/Goodrich Forest Products, Inc.	V-183
188A	Legnobbotti S.P.A.	V-184
188B	Legnobbotti S.P.A.	V-185
189A	President Van Lines, Limited	V-186
190A	Container Dynamics	V-187
191A	Kotane, Incorporated	V-188
191B	ERO/Goodrich Forest Products, Inc.	V-189
192A	DeWitt Freight Forwarding	V-190
192A-1	DeWitt Freight Forwarding	V-190-1
193A	Eckol Packaging Company	V-191
193B	Precision Wood Products	V-192
194A	Eckol Packaging Company	V-193
194B	Eckol packaging Company	V-194
195A	Allied Container Manufacturing Corp.	V-195
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COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 101A
- B. Manufacturer: Stan Flowers Company  
1747 - 24th Street  
Oakland, CA 94802
- C. Testing Facility: Abbot A. Hanks Testing Laboratory
- D. Date of Testing: Dec 71
- E. Outer Size: 87"L x 45"W x 83 1/2"H
- F. Tare Weight: 370 lbs
- G. Cube: 189 cubic feet
- H. Bill of Materials:

TOP:	5/8" x 45" x 87"	Plywood	1 Pc.
	2" x 4" x 86"	Lumber	2 Pcs.
	2" x 4" x 44 1/4"	Lumber	2 Pcs.
BASE:	5/8" x 44 1/4" x 86"	Plywood	1 Pc.
	2" x 4" x 78 5/8"	Lumber	3 Pcs.
	2" x 4" x 44 1/4"	Lumber	2 Pcs.
SIDES:	3/8" x 43 1/2" x 79 7/8"	Plywood	4 Pcs.
	2" x 4" x 78 1/8"	Lumber	4 Pcs.
ENDS:	1/2" x 44 1/4" x 79 7/8"	Plywood	2 Pcs.
SPLICES:	3/8" x 4 5/16" x 74"	Plywood	2 Pcs.
BLOCK:	2" x 4" x 16 1/2"	Lumber	4 Pcs.
SKIDS:	NET 3" x 4" x 15"	Lumber	9 Pcs.



COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 101B
- B. Manufacturer: Stan Flowers Company  
1747 - 24th Street  
Oakland, CA 94802
- C. Testing Facility: Abbot A. Hanks Testing Laboratory
- D. Date of Testing: Jan 73
- E. Outer Size: 87"L x 48"W x 83 1/2"H
- F. Tare Weight: 415 lbs
- G. Cube: 210 cubic feet
- H. Bill of Materials:

TOP:	5/8" x 48" x 87"	Plywood	1 Pc.
	2" x 4" x 86"	Lumber	2 Pcs.
	2" x 4" x 47 1/4"	Lumber	2 Pcs.
BASE:	5/8" x 44 1/4" x 86"	Plywood	1 Pc.
	2" x 4" x 78 5/8"	Lumber	3 Pcs.
	2" x 4" x 47 1/4"	Lumber	2 Pcs.
SIDES:	3/8" x 43 1/2" x 79 7/8"	Plywood	4 Pcs.
	2" x 4" x 74 1/8"	Lumber	4 Pcs.
ENDS:	1/2" x 47 1/4" x 79 7/8"	Plywood	2 Pcs.
SPLICES:	3/8" x 4 5/16" x 74"	Plywood	2 Pcs.
BLOCK:	2" x 4" x 18 1/8"	Lumber	4 Pcs.
SKIDS:	NET 3" x 4" x 15"	Lumber	9 Pcs.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 110F
- B. Manufacturer: Eckol Packaging Company  
818 Jackson Street  
Napa, CA 94558
- C. Testing Facility: Abbot A. Hanks Testing Laboratory
- D. Date of Testing: Mar 74
- E. Outer Size: 87"L x 48"W x 87"H
- F. Tare Weight: 430 lbs
- G. Cube: 210 cubic feet
- H. Bill of Materials:
  - PLYWOOD - Commercial Standard CD Exterior  
Floor & Top - 5/8" Thick  
Ends & Door - 1/2" Thick  
Sides - 5/16" Thick
  - LUMBER - WCLA Utility and Better  
2x4 framing inside container and under floor  
Skid blocks to provide 3" clearance
  - NAILS & STAPLES - All fasteners cement coated driven through thinner into thicker and clinched where practicable.
  - ASSEMBLY - All joints and seams caulked. Twelve lag screws 3/8" x 2" w/washers used to close door. Sixteen lag screws 3/8" x 2" w/washers to reinforce corners. Strap with 1" steel band run horizontally. 8d Cement coated nails 4" to 6" apart used for assembly.
  - FABRICATION - Sides, base and top plywood nailed to 2x4s 2/8d c.c. nail clinched. Base blocks nailed w/30d galvanized common nails. Side seam caulked, stapled w/3/4" clinched staples.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 110G
- B. Manufacturer: Eckol Packaging Company  
818 Jackson Street  
Napa, CA 94558
- C. Testing Facility: Abbot A. Hanks Testing Laboratory
- D. Date of Testing: Nov 75
- E. Outer Size: 87"L x 48"W x 87"H
- F. Tare Weight: 460 lbs
- G. Cube: 210 cubic feet
- H. Bill of Materials:

Plywood, commercial, standard, CD Exterior  
Floor - 1 1/8" thick  
Sides, rear, door, top - 1/2" thick

LUMBER - WCLA standard and better Doug Fir, cleats - 1" x 4"  
blocks - 3" x 4"

FASTENERS - Cleats stapled and clinched to plywood, blocks  
applied with carriage bolts to base.

RESTRAINTS - 10 gauge galvanized steel used per dwg. to  
align container.

ASSEMBLY - Container assembled by means of six steel bands-  
3/4" x .023 minimum size - four vertical and two  
horizontal. Joints and outside seams caulked  
with butyl caulk.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 111A
- B. Manufacturer: ERO/Goodrich Forest Products, Inc.  
13939 S.W. Edy Road  
Sherwood, OR 97140
- C. Testing Facility: Abbot A. Hanks Testing Laboratory
- D. Date of Testing: Dec 71
- E. Outer Size: 87"L x 45"W x 83 1/2"H
- F. Tare Weight: 370 lbs
- G. Cube: 189 cubic feet
- H. Bill of Materials:

SIDES: 3/8" C D Exterior Grade

ENDS: 1/2" C D Exterior Grade

TOPS: 5/8" C D Exterior Grade

BASE: 5/8" C D Exterior Grade

FRAMING: 2" x 4" Douglas Fir Lumber

BLOCKS: 3" x 4" Douglas Fir Lumber

LAGS & WASHERS: 3/8" x 3" Plated Lags

3/8" Plated Washers

NAIL & STAPLES: 2" Staples Coated  
6d Nails  
4" Screw Nails

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 112E
- B. Manufacturer: Global International  
Number One/Global Way  
Anaheim, CA 92803
- C. Testing Facility: Abbot A. Hanks Testing Laboratory
- D. Date of Testing: Mar 74
- E. Outer Size: 87 7/8"L x 57 7/8"W x 82 3/4"H
- F. Tare Weight: 550 lbs
- G. Cube: 250 cubic feet
- H. Bill of Materials:

METAL FRAME: To be made of 16 gauge hot rolled PO or cold rolled steel.

BASE FRAME: 1 each 90" long 58" wide 4" angle welded at all corners.

TOP FRAME: 1 each 90" long 58" wide 4" angle welded at all corners.

CORNER UPRIGHTS: 4 each 72" long 3" angle.

SIZE Z BARS: 2 each 84" long 2 1/4" x 1/2" x 2 1/4"

TOP OF DOOR FRAME: 1 each 56 3/4" long 3 3/4" x 3 3/4" angle.

BOTTOM OF DOOR FRAME: 1 each 48" long 2" x 3/4" x 2"

SIDES DOOR FRAME: 2 each 72" long 1 3/4" x 3/4" x 1 3/4"

SKIDS: To be made of 13 gauge hot rolled PO or cold rolled steel.  
3 each 57 1/2" long 3" high 8" wide.

LATCHES: To be made of 8 gauge cold rolled steel - 7 each.

PLYWOOD: To be 5 ply Fir CDX grade or better.

FLOOR: 1 piece 89" x 56 1/2" x 3/4"

TOP: 1 piece 89 3/4" x 57 3/4" x 5/8"

BACK: 1 piece 79" x 57 1/2" x 1/2"

SIDES: 4 pieces 89" x 39 5/8" x 1/2"

FRONT UPRIGHTS: 2 pieces 79" x 5" x 3/4"

DOOR: 1 piece 79" x 48" x 5/8"

MTMC Approval No: 112E (Continued)

7 Bolts hexhead 1/4" x 20" x 1"  
136 Machine screws, R.H., 1/4" x 20" x 1/2"  
54 Machine screws, R.H., 1/4" x 20" x 5/8"  
32 Machine screws, R.H., 3/8" x 20" x 3/4"  
36 Machine screws, R.H., 3/8" x 16" x 3/4"  
4 Nuts, Hex, 1/4" x 20"  
229 T-Nuts, Hex, 1/4" x 20"  
36 T-Nuts, 3/8" x 16"  
4 Lock Washer 1/4"  
17 Ft. Neoprene gasket  
Butyle Flex caulking compound

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 114A
- B. Manufacturer: Y. HIGA Enterprises, Limited  
465 California St., Suite 530  
San Francisco, CA 94104
- C. Testing Facility: Abbot A. Hanks Testing Laboratory
- D. Date of Testing: Jun 74
- E. Outer Size: 87"L x 46
- F. Tare Weight: 390 lbs
- G. Cube: 201 cubic feet
- H. Bill of Materials:
  - 1. Top Panel-5/8", use 10d common nails 4" to top and end 2" x 4" header.
  - 2. End Panel-1/2" permanent end; use 8d common nails, 4" oc to 2" x 4" end headers; 2" x 4" posts; 2" x 4" base framing.
  - 3. End Panel-1/2"; use 3/8" x 3" lag bolts-three each at top to 2" x 4" and header; 3 each at both sides to 2" x 4" posts and one at bottom 2" x 4" base frame.
  - 4. Side Panels-3/8"; use 8d common nails at 4" oc to 2" x 4" top headers; 2" x 4" posts and 2" x 4" base framing.
  - 5. Splice Batten-3/8"; use wire brad staples at 2" oc staggered at both sides of 3/8" plywood joint; staples to be applied from inside of box.
  - 6. Bottom Panel-5/8"; use 10d common nail at 4" oc staggered to 2" x 4" base framing.
  - 7. Base Framing-Use 14d common nails 3" oc staggered to 4" x 4" skid blocks.
  - 8. Provide 3/8" x 3" lag bolts, 3 each at all corners.
  - 9. Provide 1" wide horizontal steel band at mid point, continuous around box after securing door.
  - 10. All Plywood to be exterior grade, C-D panels.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 115B
- B. Manufacturer: Household Goods Container Leasing, Inc.  
2114 McDonald Avenue  
Richmond, CA 94802
- C. Testing Facility: Abbot A. Hanks Testing Laboratory
- D. Date of Testing: Jun 74
- E. Outer Size: 87"L x 45"W x 82"H
- F. Tare Weight: 446 lbs
- G. Cube: 185 cubic feet
- H. Bill of Materials:

PLYWOOD

a. The sides, ends, and top are made of one piece good grade exterior type waterproof plywood with dimensions as follows. (Dimensions are permitted slight variations when necessary to accommodate differences in nominal lumber available in area of manufacture.)

- (1) One (1) floor panel - 85 1/4" x 44" x 1"
- (2) Two (2) end panels - 78 7/8" x 43 15/16" x 1/2" - front  
78 5/8" x 44" x 1/2" - back
- (3) One (1) roof panel - 87" x 45" x 5/8"
- (4) Two (2) side panels - 87" x 81 1/8" x 1/2"

b. Side panels are one piece. One piece is obtained by a manufacturing process called "scarfing". However, if one-piece "scarfed" panels cannot be furnished then two pieces butted together will be acceptable. The joint would have to be caulked and covered with a plywood panel.

c. Place side panels on container frame to allow the bottom edge of panel to be 1/2" above forklift openings.



**LUMBER**

a. Inside container frame:

Side Edge Members - 2 pcs - 1 1/2" x 3 1/2" x 80 3/8"

Horizontal End Edge Member - 1 pc - 1 1/2" x 3 1/2" x 44"

Rear Corner Uprights - 4 pcs - 1 1/2" x 3 1/2" x 74 1/2"

Front Uprights - 2 pcs - 1 1/2" x 3 1/2" x 76 1/2"

Horizontal Front Edge Member - 1 pc - 1 1/2" x 3 1/2" x 44"

b. Skids:

4 pcs - 3" x 4" x 20"

2 pcs - 3" x 4" x 16"

2 pcs - 3" x 4" x 13"

c. Door Panel Frame:

(1) Horizontal strengthening member - 2 pcs - 1" x 2" x 40 5/8"

(2) Vertical strengthening member - 2 pcs - 1" x 2" x 78 7/8"

**NAILS**

a. 16d cement coated drive screw nails for securing container sides, end, and roof to frame. Nail pattern is every 6" staggered (approximately 150 per container).

b. 20d sinkers cement coated nails to fasten skids to floor. These nails must be clinched (approximately 40 per container).

**STAPLES:** A staple with 1 1/2" shank is used to fasten plywood to edge members. Staples pattern is every 4" staggered. When staples are not available, use 4d or 6d cement coated nails as a substitute (approximately 800 required).

**LAG BOLTS:** Eleven lag bolts, 3" long x 5/16" diameter secure door panel to container. Each lag bolt is equipped with a "fender" style washer (1 1/2" diameter). Drill a pilot hole in the door frame to receive each lag bolt. Diameter of pilot hole is slightly smaller than diameter of lag bolt.

**PAINT:** Description - one coat of blue paint all over except a white painted panel area on door. Paint description - phenolic synthetic gloss enamel, blue, S-4689.

**CAULKING:** All joints with a non-drying compound.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 115C
- B. Manufacturer: Household Goods Container Leasing, Inc.  
2114 McDonald Avenue  
Richmond, CA 94802
- C. Testing Facility: Abbot A. Hanks Testing Laboratory
- D. Date of Testing: Mar 74
- E. Outer Size: 87"L x 48"W x 81 3/4"H
- F. Tare Weight: 452 lbs
- G. Cube: 198 cubic feet
- H. Bill of Materials:

PLYWOOD

a. The sides, ends, and top are made of one piece good grade exterior type waterproof plywood with dimensions as follows. (These dimensions are permitted slight variations when necessary to accommodate differences in nominal lumber available in area of manufacture.)

- (1) One (1) floor panel - 84 3/4" x 47" x 1"
- (2) Two (2) end panels - (front) 78 7/8" x 46 15/16" x 1/2"  
(rear) 78 5/8" x 47" x 1/2"
- (3) One (1) roof panel - 87" x 48" x 5/8"
- (4) Two (2) side panels - 87" x 81 1/8" x 1/2"

b. Side panels are one piece. One piece is obtained by a manufacturing process called "scarfing". However, If one-piece "scarfed" panels cannot be furnished then two pieces butted together will be acceptable. The joint would have to be caulked and covered with a plywood panel.

c. Place side panels on container frame to allow the bottom edge of panel to be 1/4" above forklift openings.

**LUMBER**

a. Inside container frame:

Side Edge Members - 2 pcs - 1 5/8" x 3 5/8" x 79 1/2"

Horizontal End Edge Member - 1 pc - 1 5/8" x 3 5/8" x 47"

Rear Corner Uprights - 4 pcs - 1 5/8" x 3 5/8" x 74 1/4"

Front Uprights - 2 pcs - 1 5/8" x 3 5/8" x 76 1/4"

Horizontal Front Edge Member - 1 pc - 1 5/8" x 3 5/8" x 47"

b. Skids:

4 pcs - 3" x 4" x 20"

2 pcs - 3" x 4" x 16"

2 pcs - 3" x 4" x 13"

c. Door Panel Frame:

(1) Horizontal strengthening member - 2 pcs - 1" x 2" x 45 7/16"

(2) Vertical strengthening member - 2 pcs - 1" x 2" x 78 7/8"

**NAILS**

a. 16d cement coated drive screw nails for securing container sides, end, and roof to frame. Nail pattern is every 6" staggered (approximately 150 per container).

b. 20d sinkers cement coated nails to fasten skids to floor. These nails must be clinched (approximately 40 per container).

**STAPLES:** A staple with 1 1/2" shank is used to fasten plywood to edge members. Staples pattern is every 4" staggered. When staples are not available, use 4d or 6d cement coated nails as a substitute (approximately 800 required).

**LAG BOLTS:** Eleven lag bolts, 3" long x 5/16" diameter secure door panel to container. Each lag bolt is equipped with a "fender" style washer (1 1/2" diameter). Drill a pilot hole in the door frame and container frame to receive each lag bolt. Diameter of pilot hole is slightly smaller than diameter of lag bolt.

**PAINT:** Description - one coat of blue paint all over except a white painted panel area on door. Paint description - phenolic synthetic gloss enamel blue, S-4689.

**CAULKING:** All joints caulked with a non-drying compound.

COMMERCIAL SHIPPING CONTAINERS

A. MTMC Approval No: 115D

B. Manufacturer: Household Goods Container Leasing, Inc.  
2114 McDonald Avenue  
Richmond, CA 94802

C. Testing Facility: Abbot A. Hanks Testing Laboratory

D. Date of Testing: Feb 75

E. Outer Size: 87"L x 48"W x 87"H

F. Tare Weight: 576 lbs

G. Cube: 210.3 cubic feet

H. Bill of Materials:

FLOOR:	3/4" x 47" x 86"	Plywood	1 Pc.
	1 1/2" x 3 1/2" x 44"	Braces	5 Pcs.
	1 1/2" x 3 1/2" x 82"	Braces	2 Pcs.
END PANELS:	1/2" x 48" x 82 3/4"	Plywood	2 Pcs.
TOP:	3/4" x 48" x 87"	Plywood	1 Pc.
	1 1/2" x 3 1/2" x 47"	Braces	2 Pcs.
	3/4" x 3 1/2" x 47"	Braces	4 Pcs.
SIDES:	1/2" x 43" x 82 3/4"	Plywood	4 Pcs.
	1 1/2" x 3 1/2" x 77"	Braces	2 Pcs.
	1 1/2" x 3 1/2" x 82 3/4" Braces	2 Pcs.	
	1 1/2" x 3 1/2" x 86"	Braces	2 Pcs.
SKIDS:	3 1/2" x 3 1/2" x 16"	Lumber	6 Pcs.
OTHER:	16d Nails, 4d Nails		
	20d Nails, 6d Nails		
	1 1/2" Staples		
	3" x 3/8" Lag Bolts		

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 116A
- B. Manufacturer: Jacksonville Box and Woodwork Company  
P.O Box 3447  
Jacksonville, FL 32206
- C. Testing Facility: Ogden Technological Laboratory
- D. Date of Testing: Dec 71
- E. Outer Size: 87"L x 45"W x 83 1/2"H
- F. Tare Weight: 440 lbs
- G. Cube: 184 cubic feet
- H. Bill of Materials:

BOTTOM:	5/8" x 45" X 87"	Plywood	1 Pc.
	2" x 4" x 16 1/2"	Lumber	8 Pcs.
	3" x 4" x 16 1/2"	Lumber	9 Pcs.
	2" x 4" x 87"	Lumber	3 Pcs.
TOP:	5/8" x 45" x 87"	Plywood	1 Pc.
	2" x 4" x 87"	Lumber	2 Pcs.
	2" x 4" x 38"	Lumber	2 Pcs.
BACK: & DOOR:	1/2" x 45" x 80 1/2"	Plywood	2 Pcs.
	2" x 4" x 45"	Lumber	2 Pcs.
	2" x 4" x 80 1/2"	Lumber	4 Pcs.
SIDES:	3/8" x 87" x 83 1/2"	Plywood	2 Pcs.
	2" x 4" x 87"	Lumber	4 Pcs.
	2" x 4" x 76 1/2"	Lumber	4 Pcs.
	5/8" x 6" x 76 1/2"	Lumber	2 Pcs.
OTHER:	3" x 3" Lag Bolts		
	2 1/2" Nails		
	3/8" x 3 1/8" Lag Bolts		
	3 1/2" Nails		

COMMECIAL SHIPPING CONTAINERS

A. MTMC Approval No: 116B

B. Manufacturer: Jacksonville Box and Woodwork Company  
P.O. Box 3447  
Jacksonville, FL 32206

C. Testing Facility: Ogden Technological Laboratory

D. Date of Testing: Dec 71

E. Outer Size: 87"L x 60"W x 83 1/2"H

F. Tare Weight: 520 lbs

G. Cube: 239 cubic feet

H. Bill of Materials:

BOTTOM:	5/8" x 60" x 87"	Plywood	1 Pc.
	2" x 4" x 24"	Lumber	8 Pcs.
	3" x 4" x 16"	Lumber	9 Pcs.
	2" x 4" x 87"	Lumber	3 Pcs.
TOP:	5/8" x 60" x 87"	Plywood	1 Pc.
	2" x 4" x 87"	Lumber	2 Pcs.
	2" x 4" x 53"	Lumber	2 Pcs.
BACK & DOOR:	1/2" x 60" x 80 1/2"	Plywood	2 Pcs.
	2" x 4" x 60"	Lumber	4 Pcs.
	2" x 4" x 80 1/2"	Lumber	4 Pcs.
SIDES:	3/8" x 87" x 83 1/2"	Plywood	2 Pcs.
	2" x 4" x 87"	Lumber	4 Pcs.
	2" x 4" x 76 1/2"	Lumber	4 Pcs.
	5/8" x 6" x 76 1/2"	Lumber	2 Pcs.
OTHER:	3" x 3" Lag Bolts		
	3/8" x 3 1/8" Lag Bolts		
	2 1/2" Nails		
	3 1/2" Nails		

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 117C
- B. Manufacturer: Jet Forwarding Company  
200 West Central Avenue  
P.O. Box 2502  
Santa Ana, CA 92707
- C. Testing Facility: Ogden Technology Laboratory
- D. Date of Testing: Sep 71
- E. Outer Size: 87"L x 48"W x 83"H
- F. Tare Weight: 420 lbs
- G. Cube: 200 cubic feet
- H. Bill of Materials:

NOTE: This container is fabricated entirely of polyethene (light-weight plastic) material. The container manufacturer has gone out of business; therefore, a further bill of materials is unavailable. Some containers may still be in use and are acceptable if they are in sound condition.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 120A
- B. Manufacturer: World Container Company  
479 S. Airport Boulevard  
S. San Francisco, CA 94080
- C. Testing Facility: Component Evaluation Laboratory
- D. Date of Testing: Dec 71
- E. Outer Size: 87"L x 45"W x 82"H
- F. Tare Weight: 382 lbs
- G. Cube: 185 cubic feet
- H. Bill of Materials:

Container is of plywood construction with 2x4 reinforcing. All plywood panels are fastened to the frame members by 7 penny nails, have 6 3" x 4" skids fastened with 5/16" x 4" lag bolts and utilize 28 3/8" x 3" lag bolts for the assembly of the sides, tops, and ends.

Assembly Instructions:

1. Apply a heavy bead of caulking compound to both sides and one end of base.
2. Attach sides to base with three or four No. 8d nails.
3. Install headers at the top of each end between sides with one No. 8d nail at each end of each header.
4. Caulk header and 2x4 frame members at one end in order to effect a seal when installing end panel.
5. Attach end panel with six to ten No. 8d nails as required.
6. Caulk perimeter of top panel.
7. Tack top into position with six to ten No. 8d nails as required. If box doesn't appear square at this point, it may be necessary to lift one corner of base until top panel lines up correctly.
8. Drill 5/16" x 2 1/2" holes. Start with sides, end, and then top. Be sure to plan corner holes so bolts are perpendicular to one another.



COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 120B
- B. Manufacturer: World Container Company  
479 S. Airport Boulevard  
S. San Francisco, CA 94080
- C. Testing Facility: Component Evaluation Laboratory
- D. Date of Testing: Dec 71
- E. Outer Size: 87"L x 48"W x 82"H
- F. Tare Weight: 400 lbs
- G. Cube: 198 cubic feet
- H. Bill of Materials:

Container is of plywood construction with 2x4 reinforcing. All plywood panels are fastened to the frame members by 7 penny nails, has 6 3" x 4" skids fastened with 5/16" x 4" lag bolts and utilizes 28 3/8" x 3" lag bolts for the assembly of the sides, tops, and ends.

Assembly Instructions:

1. Apply a heavy bead of caulking compound to both sides and one end of base.
2. Attach sides to base with three or four No. 8d nails.
3. Install headers at the top of each end between sides with one No. 8d nail at each end of each header.
4. Caulk header and 2x4 frame members at one end in order to effect a seal when installing end panel.
5. Attach end panel with six to ten No. 8d nails as required.
6. Caulk perimeter of top panel.
7. Tack top into position with six to ten No. 8d nails as required. If box doesn't appear square at this point, it may be necessary to lift one corner of base until top panel lines up correctly.
8. Drill 5/16" x 2 1/2" holes. Start with sides, end, and then top. Be sure to plan corner holes so that bolts are perpendicular to one another.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 120C
- B. Manufacturer: World Container Company  
479 S. Airport Boulevard  
S. San Francisco, California 94080
- C. Testing Facility: Component Evaluation Laboratory
- D. Date of Testing: Dec 71
- E. Outer Size: 87"L x 48"W x 85"H
- F. Tare Weight: 405 lbs
- G. Cube: 205 cubic feet
- H. Bill of Materials:

Container is of plywood construction with 2x4 reinforcing. All plywood panels are fastened to the frame members by 7 penny nails, has 6 3/4" skids fastened with 5/16" x 4" lag bolts and utilizes 28 3/8" x 3" lag bolts for the assembly of the sides, tops, and ends.

Assembly Instructions:

1. Apply a heavy bead of caulking compound to both sides and one end of base.
2. Attach sides to base with three or four No. 8d nails.
3. Install headers at the top of each end between sides with one No. 8d nail at each header.
4. Caulk header and 2x4 frame members at one end in order to effect a seal when installing end panel.
5. Attach end panel with six to ten No. 8d nails as required.
6. Caulk perimeter of top panel.
7. Tack top into position with six to ten No. 8d nails as required. If box doesn't appear square at this point, it may be necessary to lift one corner of base until top panel lines up correctly.
8. Drill 5/16" x 2 1/2" holes. Start with sides, end, and then top. Be sure to plan corner holes so that bolts are perpendicular to one another.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 120D
- B. Manufacturer: World Container Company  
479 S. Airport Boulevard  
S. San Francisco, CA 94080
- C. Testing Facility: Component Evaluation Laboratory
- D. Date of Testing: Dec 71
- E. Outer Size: 87"L x 58"W x 82"H
- F. Tare Weight: 420 lbs
- G. Cube: 239 cubic feet
- H. Bill of Materials:

Container is of plywood construction with 2x4 reinforcing. All plywood panels are fastened to the frame members by 7 penny nails, have 6 3" x 4" skids fastened with 5/16" x 4" lag bolts and utilize 28 3/8" x 3" lag bolts for the assembly of the sides, tops, and ends.

Assembly Instructions:

1. Apply a heavy bead of caulking compound to both sides and one end of base.
2. Attach sides to base with three or four No. 8d nails.
3. Install headers at the top of each end between sides with one No. 8d nail at each end of each header.
4. Caulk header and 2x4 frame members at one end in order to effect a seal when installing end panel.
5. Attach end panel with six to ten No. 8d nails as required.
6. Caulk perimeter of top panel.
7. Tack top into position with six to ten No. 8d nails as required. If box doesn't appear square at this point, it may be necessary to lift one corner of base until top panel lines up correctly.
8. Drill 5/16" x 2 1/2" holes. Start with sides, end, and then top. Be sure to plan corner holes so that bolts are perpendicular to one another.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 120E
- B. Manufacturer: World Container Company  
479 S. Airport Boulevard  
S. San Francisco, CA 94080
- C. Testing Facility: Abbot A. Hanks Testing Laboratory
- D. Date of Testing: Oct 74
- E. Outer Size: 86 3/4"L x 45"W x 83"H
- F. Tare Weight: 520 lbs
- G. Cube: 186.4 cubic feet
- H. Bill of Materials:

NOTE: THIS CONTAINER HAS BEEN DISCONTINUED BY THE MANUFACTURER.  
SOME CONTAINERS MAY BE IN USE AND ARE ACCEPTABLE IF IN SOUND  
CONDITION. A FURTHER BILL OF MATERIALS IS NOT AVAILABLE.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 120F
- B. Manufacturer: World Container Company  
479 S. Airport Boulevard  
S. San Francisco, CA 94080
- C. Testing Facility: Abbot A. Hanks Testing Laboratory
- D. Date of Testing: May 75
- E. Outer Size: 87"L x 46"W x 87"H
- F. Tare Weight: 340 lbs
- G. Cube: 201 cubic feet
- H. Bill of Material:

TOP:	87" x 46" x 1/2"	Plywood	1 Pc.
BOTTOM:	86 1/4" x 45 1/4" x 1/2"	Plywood	1 Pc.
ENDS:	83 1/2" x 46" x 3/8"	Plywood	2 Pcs.
SIDES:	83 1/2" x 38 1/4" x 3/8"	Plywood	1 Pc.
	83 1/2" x 48" x 3/8"	Plywood	1 Pc.
	77 1/4" x 3 1/2" x 5/8"	Plywood	2 Pcs.
BASE LUMBER:	46 1/4" x 2" x 4"		2 Pcs.
	79 1/4" x 2" x 4"		2 Pcs.
	39 1/4" x 2" x 4"		2 Pcs.
	39 1/4" x 13" x 3/8"	Plywood	2 Pcs.
SKIDS:	12" x 2" x 4"		
HARDWARE:	3/8" x 1 1/2"	Lag Bolts	20 Pcs.
NAILS:	8d		
FRAMING LUMBERING CONSTRUCTION:			
VERTICAL MEMBER	77" x 4" x 1"		4 Pcs.
HORIZONTAL MEMBER	83" x 4" x 1"		2 Pcs.
HEADERS	45 1/4" x 4" x 2"		2 Pcs.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 120G
- B. Manufacturer: World Container Company  
479 S. Airport Boulevard  
S. San Francisco, CA 94080
- C. Testing Facility: Analytical Service Laboratory
- D. Date of Testing: Sep 75
- E. Outer Size: 88 3/4"L x 48"W x 84 1/4"H
- F. Tare Weight: 459 lbs
- G. Cube: 205 cubic feet
- H. Bill of Materials:

Container is of plywood construction with 2x4 reinforcing. All plywood panels are fastened to the frame members by 7 penny nails, have 6 3" x 4" skids fastened with 5/16" x 4" lag bolts and utilize 28 3/8" x 3" lag bolts for the assembly of the sides, tops, and ends.

Assembly Instructions:

1. Apply a heavy bead of caulking compound to both sides and one end of base.
2. Attach sides to base with three or four No. 8d nails.
3. Install headers at the top of each end between sides with one No. 8d nail at each end of each header.
4. Caulk header and 2x4 frame members at one end in order to effect a seal when installing end panel.
5. Attach end panel with six to ten No. 8d nails as required.
6. Caulk perimeter of top panel.
7. Tack top into position with six to ten No. 8d nails as required. If box doesn't appear square at this point, it may be necessary to lift one corner of base until top panel lines up correctly.
8. Drill 5/16" x 2 1/2" holes. Start with sides, end, and then top. Be sure to plan corner holes so that bolts are perpendicular to one another.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 120H
- B. Manufacturer: World Container Company  
479 S. Airport Boulevard  
S. San Francisco, CA 94080
- C. Testing Facility: Analytical Service Laboratory
- D. Date of Testing: Sep 75
- E. Outer Size: 87"L x 48"W x 87"H
- F. Tare Weight: 419 lbs
- G. Cube: 210 cubic feet
- H. Bill of Materials:

Container is of plywood construction with 2x4 reinforcing. All plywood panels are fastened to the frame members by 7 penny nails, have 6 3" x 4" skids fastened with 5/16" x 4" lag bolts and utilize 28 3/8" x 3" lag bolts for the assembly of the sides, tops, and ends.

Assembly Instructions:

1. Apply a heavy bead of caulking compound to both sides and one end of base.
2. Attach sides to base with three or four No. 8d nails.
3. Install headers at the top of each end between sides with one No. 8d nail at each end of each header.
4. Caulk header and 2x4 frame members at one end in order to effect a seal when installing end panel.
5. Attach end panel with six to ten No. 8d nails as required.
6. Caulk perimeter of top panel.
7. Tack top into position with six to ten No. 8d nails as required. If box doesn't appear square at this point, it may be necessary to lift one corner of base until top panel lines up correctly.
8. Drill 5/16" x 2 1/2" holes. Start with sides, end, and then top. Be sure to plan corner holes so that bolts are perpendicular to one another.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 123B
- B. Manufacturer: Interdean N.V.  
1 Kleinbeverlaan 1860 Meise  
Brussels, Belgium
- C. Testing Facility: Institut Belge De L'Emballage
- D. Date of Testing: Dec 74
- E. Outer Size: 87.4"L x 47.2"W x 83"H
- F. Tare Weight: 463 lbs
- G. Cube: 208 cubic feet
- H. Bill of Materials:

SKID:	3.54" x 3.54" x 15.75"	Lumber	9 Pcs.
	0.63" x 47.24" x 86.22"	Plywood	1 Pc.
SIDES:	0.37" x 43.6" x 86.6"	Plywood	1 Pc.
	1.97" x 3.94" x 79.25"	Lumber	4 Pcs.
	1.97" x 3.94" x 83.4"	Lumber	2 Pcs.
	0.37" x 10.23" x 79.25"	Plywood	2 Pcs.
ENDS:	1.97" x 3.94" x 46.77"	Lumber	2 Pcs.
	0.49" x 47.2" x 83"	Plywood	2 Pcs.
TOP:	0.63" x 48" x 87.41"	Plywood	1 Pc.
	1.5" x 3.15" x 80.1"	Lumber	3 Pcs.
	1.5" x 3.15" x 47.21"	Lumber	2 Pcs.
OTHER:	1 1/2" Staples		300 Pcs.
	3" Nails		227 Pcs.
	5" Nails		4 Pcs.
	3" Lag Screws		12 Pcs.



COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 123C
- B. Manufacturer: Interdean N.V.  
1 Kleinbeverlaan 1860 Meise  
Brussels, Belgium
- C. Testing Facility: Institut Belge De L'Emballage
- D. Date of Testing: Dec 74
- E. Outer Size: 87.4"L x 47.2"W x 83"H
- F. Tare Weight: 442 lbs
- G. Cube: 208 cubic feet
- H. Bill of Materials:

SKIDS:	3.54" x 3.54" x 15.75"	Lumber	9 Pcs.
	1.5" x 3.15" x 80.12"	Lumber	3 Ps.
	1.5" x 3.15" x 46.46"	Lumber	2 Pcs.
	0.63" x 46.46" x 86.22"	Plywood	1 Pc.
SIDES:	0.37" x 43.7" x 86.6"	Plywood	4 Pcs.
	1.97" x 3.94" x 77"	Lumber	4 Pcs.
	1.97" x 3.94" x 82.48"	Lumber	2 Pcs.
	0.37" x 10.24" x 77"	Plywood	2 Pcs.
ENDS:	1.97" x 3.94" x 46.4"	Lumber	2 Pcs.
	0.37" x 46.4" x 83"	Plywood	2 Pcs.
TOP:	0.49" x 47.2" x 87.4"	Plywood	1 Pc.
OTHER:	1 1/2" Staples		300 Pcs.
	3" Screw Nails		
	3" Lag Screws		12 Pcs.
	3" Nails		227 Pcs.
	5" Nails		4 Pcs.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 125A-1
- B. Manufacturer: Caesar Fuchs & Cie  
8761 Worth Am Main  
Postfach 49 Germany
- C. Testing Facility: Otto-Graf-Inst., University of Stuttgart
- D. Date of Testing: Dec 72
- E. Outer Size: 86.6"L x 45.6"W x 81.4"H
- F. Tare Weight: 485 lbs.
- G. Cube: 186 cubic feet
- H. Bill of Materials:

PLYWOOD:

a) The sides, ends, and tops are made of one piece good grade exterior type waterproof plywood with dimensions as follows (these dimensions are permitted slight variations when necessary to accommodate differences in nominal timber available in area of manufacture):

1. One (1) floor panel - 85 3/8" x 43" x 5/8"
2. Two (2) end panels - 76" x 43" x 1/2"
3. One (1) roof panel - 86 3/8" x 43 1/2" x 5/8"
4. Two (2) side panel - 86 3/8" x 43 1/2" x 3/8"

- b) Side panels are two pieces butted together with the joint caulked and covered with a plywood panel.
- c) The side panels are placed on the container frame to allow the bottom edge of the panel to be 1/4" above the forklift openings.

TIMBER:

- a) Inside Container Frame:
 

Side Edge Members	2 Pieces	1 5/8" x 3 1/8" x 85 3/8"
Top Members	2 Pieces	1 5/8" x 3 1/8" x 43"
Side Uprights	4 Pieces	1 5/8" x 3 1/8" x 74"

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b) Skids:

4 Pieces	3" x 3" x 20"
2 Pieces	3" x 3" x 16"
2 Pieces	3" x 3" x 13"

c) Door panel frame:

1. Horizontal strengthening Member 2 pcs. 12" x 2" x 43"
2. Vertical strengthening Member 2 pcs. 1" x 2" x 74 1/4"

### NAILS:

- a) 3" cement coated nails are used to secure container sides, ends, and roof to frame. Nail pattern is every 6" staggered.
- b) 4 1/2" cement coated nails are used to fasten skids to the floor and these nails are clinched.
- c) 1 7/8" nails are used to fasten plywood to edge members.

### COACH SCREWS:

Door secured with 8 - 3/8" x 3" coach screws. To each side 4 - 3/8" x 3" to Top and 4 - 1/4" x 3" to Bottom, spaced equally and one 3/8" x 3" to each corner of each side and end.

### CAULKING:

- a) All joints and seams of the container are caulked with nonhardening compound at the time of assembly.
- b) The door opening is sealed with nonhardening compound.

### BANDING:

Container is banded twice vertically and once horizontally with 1" Blue Steel Banding.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 125A-2
- B. Manufacturer: Huber & Sohn  
8090 Bachmehring  
Post Wasserburg/Inn, Germany
- C. Testing Facility: Otto-Graf-Institute, University of Stuttgart
- D. Date of Testing: Dec 76
- E. Outer Size: 96"L x 44.9"W x 81.1"H
- F. Tare Weight: 485 lbs
- G. Cube: 186 cubic feet
- H. Bill of Materials:

TOP:	5/8" x 87.3" x 46.8"	1 Pc.
SIDES:	3/8" x 87.3" x 83.6"	2 Pcs.
FLOOR:	5/8" x 95" x 44"	1 Pc.
ENDS:	1/2" x 77.9" x 44"	2 Pcs.

ASSEMBLY: Side panels are two pieces butted together with the joint caulked and covered with a plywood panel.

INSIDE CONTAINER FRAME:

1 5/8" x 3 1/8" x 88 1/2"	2 Pcs.
1 5/8" x 3 1/8" x 74 1/8"	4 Pcs.
1 5/8" x 3 1/8" x 72 1/2"	2 Pcs.

SKIDS: 2 3/8" x 4" x 16" 6 Pcs.

ASSEMBLY: 50 Screws 2 3/4" x 5/16" are used for assembly. The container must be caulked with a nonhardening type caulking compound during the assembly process.

COMMERCIAL SHIPPING CONTAINERS

A. MTMC Approval No: 125A-3

B. Manufacturer: Kollmar-Holzbau  
7344 Gingen/Fils  
Steinneg 6, Germany

C. Testing Facility: Otto-Graf-Institute, University of Stuttgart

D. Date of Testing: Dec 72

E. Outer Size: 86.6"L x 45.6"W x 81.4"H

F. Tare Weight: 485 lbs

G. Cube: 186 cubic feet

H. Bill of Materials:

BASE:	85.43" x 43.3" x 0.635"	Plywood	1 Pc.
	78.35" x 3.5" x 1.51"	Lumber	2 Pcs.
	43.3" x 3.5" x 1.5"	Lumber	2 Pcs.
	36.22" x 3.5" x 1.5"	Lumber	4 Pcs.
	19.69" x 4.72" x 3.94"	Rubbing Strips	6 Pcs.
SIDES:	43.3" x 76.77" x 0.375"	Plywood	4 Pcs.
	79.53" x 3.94" x 0.71"	Lumber	4 Pcs.
	69.29" x 3.5" x 1.5"	Lumber	4 Pcs.
	67.32" x 3.5" x 1.5"	Lumber	2 Pcs.
	67.32" x 3.94" x 0.71"	Lumber	4 Pcs.
ENDS:	43.3" x 76.77" x 0.500"	Plywood	2 Pcs.
TOPS:	86.61" x 44.1" x 0.625"	Plywood	2 Pcs.
	41.73" x 3.5" x 1.5"	Lumber	2 Pcs.
OTHER:	0.11" x 2.56"	Nails	
	0.079" x 1.57"	Nails	
	0.134" x 3.54"	Nails	
	Wood Screws		70 Pcs.
	Bolts		10 Pcs.

COMMERCIAL SHIPPING CONTAINERS

A. MTMC Approval No: 125B-1

B. Manufacturer: Caesar Fuchs & Cie  
8761 Worth Am Main  
Postfach 49, Germany

C. Testing Facility: Otto-Graf-Institut, University of Stuttgart

D. Date of Testing: Apr 77

E. Outer Size: 87"L x 47"W x 87"H

F. Tare Weight: 417 lbs

G. Cube: 205 cubic feet

H. Bill of Materials:

FLOOR:	86 3/8" x 46 1/8" x 5/8"	Plywood	1 Pc.
	1 5/8" x 3 1/2" x 46 1/8"	Lumber	2 Pcs.
	1 5/8" x 3 1/2" x 79 1/4"	Lumber	2 Pcs.
	1 5/8" x 3 1/2" x 39"	Lumber	1 Pc.
END:	81" x 46 1/8" x 1/2"	Plywood	2 Pcs.
ROOF:	87 3/8" x 46 7/8" x 5/8"	Plywood	1 Pc.
	1 5/8" x 3 1/2" x 46 1/8"	Lumber	2 Pcs.
SIDES:	87 3/8" x 83 1/8" x 3/8"	Plywood	2 Pcs.
	1 5/8" x 3 1/2" x 81"	Lumber	4 Pcs.
	7/8" x 3 1/2" x 77 3/8"	Lumber	6 Pcs.
SKIDS:	3 1/8" x 4 3/4" x 16"	Lumber	6 Pcs.
OTHER:	3" nails		
	4 1/2" Nails		
	1 7/8" Nails		52 Pcs.
	Coach Screws		

COMMERCIAL SHIPPING CONTAINERS

A. MTMC Approval No: 125B-2

B. Manufacturer: Huber & Sohn  
8090 Bachmehring  
Post Wasserburg/Inn, Germany

C. Testing Facility: Otto-Graf-Institute University of Stuttgart

D. Date of Testing: May 76

E. Outer Size: 87.3"L x 46.8"W x 86.6"H

F. Tare Weight: 452 lbs

G. Cube: 205 cubic feet

H. Bill of Materials:

TOP:	5/8" x 87.3" x 46.8"	1 pc.
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SIDES:	3/8" x 87.3" x 83.6"	2 pcs.
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END:	1/2" x 83.6" x 45.9"	2 pcs.
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FLOOR:	5/8" x 86.3" x 46.0"	1 pc.
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ASSEMBLY: Side panels are two pieces butted together with the joint caulked and covered with a plywood panel.

INSIDE CONTAINER FRAME:

1 5/8" x 3 1/8" x 80"	2 pcs.
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1 5/8" x 3 1/8" x 46"	2 pcs.
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1 5/8" x 3 1/8" x 37 3/4"	2 pcs.
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SKIDS:	2 3/8" x 4" x 16"	6 pcs.
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ASSEMBLY: 50 Screws 2 3/4" x 5/16" are used for assembly. The container must be caulked with a nonhardening type caulking compound during the assembly process.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 125B-3
- B. Manufacturer: Kollmar-Holzbau  
7344 Gingen/Fils  
Steinweg 6, Germany
- C. Testing Facility: The Official Research & Material Test Laboratory
- D. Date of Testing: Apr 77
- E. Outer Size: 87"L x 47"W x 87"H
- F. Tare Weight: 419 lbs
- G. Cube: 205 cubic feet
- H. Bill of Materials:

BASE:

Floor plywood - 85.43" x 46.06" x 5/8"  
Skids - 78.35" x 3.5" x 1.5"  
Headers - 40.06" x 3.5" x 1.5"  
Cleat - 38.98" x 3.5" x 1.5"  
Rubbing Strips - 15.75" x 4.72" x 3.15"

SIDES:

Plywood - 43.3" x 82.68" x 3/8"  
Horizontal frame members - 74.80 x 3.5" x 1.5"  
Vertical Frame members - 78.74" x 3.5" x 1.5"  
dto. plywood - 77.17" x 5.91" x 5/8"

ENDS:

Plywood - 46.06" x 82.68" x 1/2"

TOP:

Plywood - 86.61" x 46.85" x 5/8"  
Cross frame members - 46.06" x 3.5" x 1.5"



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MTMC Approval No: 125B-3 (Continued)

FASTENERS:

Nails - .134 dia. x 3.54"  
.100 dia. x 2.36"

Staples - 1.75" long

ATTACHED:

Hexagon wood screws - .3125 dia. x 2.76"  
Washers - .33 inside dia.

NOTE: Plywood: Exterior type C-C or C-D

Wood: All skids, headers, cleats, rubbing strips or frame members are made of fir or pine wood quality II/III (German Standard).

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 126A
- B. Manufacturer: WER-GA Verpackungen Gmbh  
Bonnstr, 371  
5030 Huerth-Fischenick, West Germany
- C. Testing Facility: Germanifcher Lloyd
- D. Date of Testing: Aug 72
- E. Outer Size: 86.6"L x 48"W x 84.2"H
- F. Tare Weight: 374 lbs
- G. Cube: 197 cubic feet
- H. Bill of Materials:

SIDES:	77.9" x 43.3" x 1/2"	Plywood	4 Pcs.
	2" x 4"	Lumber	
	47.2" x 3.9" x 1/2"	Plywood	2 Pcs.
ENDS:	77.9" x 47.2" x 1/2"	Plywood	2 Pcs.
ROOF:	86.6" x 48" x 5/8"	Plywood	1 Pc.
	2" x 4"	Lumber	
FLOOR:	85.6" x 45.2" x 5/8"	Plywood	1 Pc.
	2" x 4"	Lumber	
SKIDS:	11.8" x 2.76" x 4.7"	Lumber	6 Pcs.

COMMERCIAL SHIPPING CONTAINERS

A. MTMC Approval No: 127A

B. Manufacturer: W. Boote and Sons, Ltd.  
385-391 Cherry Lane  
Liverpool L485B, Great Britain

C. Testing Facility: EPSC Research and Development, LTD.

D. Date of Testing: Apr 73

E. Outer Size: 86"L x 57 1/4"W x 77 7/8"H

F. Tare Weight: 360 lbs

G. Cube: 189 cubic feet

H. Bill of Materials:

FLOOR:	5/8" x 57 1/4" x 86"	Plywood	1 Pc.
FRAMING:	1 5/8" x 3 5/8" x 57 1/4"	Plywood	2 Pcs.
	1 5/8" x 3 5/8" x 78 3/4"	Plywood	2 Pcs.
	1 5/8" x 3 5/8" x 50"	Plywood	3 Pcs.
SKIDS:	1 5/8" x 3 5/8"	Lumber	12 Pcs.
SIDES:	3/8" x 48" x 77 7/8"	Plywood	2 Pcs.
	3/8" x 38" x 77 7/8"	Plywood	2 Pcs.
	3/4" x 5" x 72"	Plywood	2 Pcs.
FRAMING:	1 5/8" x 3 5/8" x 72"	Plywood	2 Pcs.
	1 5/8" x 3 5/8" x 82 3/4"	Plywood	1 Pc.
OTHER:	Nails, Glue, Lag Screws		

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 128A
- B. Manufacturer: Putters International Moving Service  
Boulevard St, Lazare 4  
1030 Brussels, Belgium
- C. Testing Facility: Belgian Packaging Institute
- D. Date of Testing: Mar 73
- E. Outer Size: 85.8"L x 47.2"W x 81.3"H
- F. Tare Weight: 385 lbs
- G. Cube: 191 cubic feet
- H. Bill of Materials:

TOP:	85.8" x 47.2" x 5/8" 2" x 4"	Plywood Lumber	1 Pc.
BOTTOM:	85.8" x 47.2" x 5/8" 2" x 4"	Plywood Lumber	1 Pc.
ENDS:	81.3" x 47.2" x 15/32"	Plywood	2 Pc.
SIDES:	81.3" x 42 5/16" x 3/8" 2" x 4"	Plywood Lumber	4 Pcs.
OTHER:	3/8" 2/5" x 2 1/5"	Lag Screws Lag Screws	
SKIDS:	12" x 4" x 4"	Lumber	6 pcs.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 128B
- B. Manufacturer: Putters International Moving Service  
Boulevard St. Lazare 4  
1030 Brussels, Belgium
- C. Testing Facility: Belgian Packaging Institute
- D. Date of Testing: Feb 75
- E. Outer Size: 85.6"L x 47.2"W x 81.1"H
- F. Tare Weight: 419 lbs
- G. Cube: 189.85 cubic feet
- H. Bill of Materials:

PLYWOOD:

TOP:	85.6" x 47.2" x 5/8"	1 Pcs.
BASE:	85.6" x 47.2" x 5/8"	1 Pc.
SIDES:	81.1" x 42 1/2" x 3/8"	4 Pcs.
ENDS:	81.1" x 47.2" x 1/2"	2 Pcs.
SKIDS:	12" x 4" x 4" Lumber	6 Pcs.
OTHER:	Lag Screws Nails	

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 129A
- B. Manufacturer: Transportes Internacionales Ferris S.A.  
Ave Crucero Baleares, 11  
11520 Rota (Cadiz) Spain
- C. Testing Facility: Bureau Veritas
- D. Date of Testing: May 73
- E. Outer Size: 88"L x 48.8"W x 81.6"H
- F. Tare Weight: 405 lbs
- G. Cube: 192 cubic feet
- H. Bill of Materials:

PLYWOOD PANELS:

1 floor - 86.6" x 47.2" x .7"  
4 sides (two each) - 76.4" x 43.3" x .4"  
2 ends - 96.4" x 47.2" x .7"  
1 top - 86.6" x 48.0" x .7"

PINEWOOD ACCESSORIALS:

Skids: 6 pieces total (3 left and 3 right of floor panel) each: 16.5" x 1.6"  
6 pieces total, each: 16.5" x 3.9" x 8" (Supplementing the above)  
2 pieces, each: 86.6" x .8" (underneath)

Floor Frame: (under the floor panel)

2 pieces, each: 78.7" x 3.9" x 1.6"  
2 pieces, each: 47.2" x 3.9" x 1.6"  
2 pieces, each: 47.2" x 3.9" x 1.6"

Sides and Top Frame:

2 horizontal pieces total, each: 81.9" x 3.9" x 1.6", alongside upper part of side panel  
4 vertical pieces total, each 71.6" x 3.9" x 1.6", on left and top of each side panel  
2 vertical pieces total, each: 71.6" x 3.9" x .8" (covering the joint of side panels)  
2 horizontal pieces total, each 47.2" x 3.9" x 1.6" on top panel

Screws: 20 Screws on each side panel and 17 on top.

COMMERCIAL SHIPPING CONTAINER

- A. MTMC Approval No: 130A
- B. Manufacturer: F. Gil Stauffer International Transports  
Goya 5  
Madrid 1, Spain
- C. Testing Facility: Bureau Veritas
- D. Date of Testing: Jul 73
- E. Outer Size: 86.6"L x 43.7"W x 81.5"H
- F. Tare Weight: 390 lbs.
- G. Cube: 178.4 cubic feet
- H. Bill of Materials:

SIDES:	81.5" x 43.7" x 0.39" 2" x 4"	Plywood Lumber	2 Pcs.
END:	81.5" x 43.7" x 0.39"	Plywood	1 Pc.
TOP:	86.6" x 43.7" x 0.67"	Plywood	1 Pc.
BOTTOM:	86.6" x 43.7" x 0.67" 2" x 4"	Plywood Lumber	1 Pc.
SKIDS:	11.8" x 4.72" x 2.75"	Lumber	1 Pc.
DOOR:	81.5" x 43.71" x 0.63" 2"x 4"	Plywood Lumber	1 Pc.
OTHER:	Nails Lag Bolts		

COMMERCIAL SHIPPING CONTAINER

A. MTMC Approval No: 131A

B. Manufacturer: A-1 Woodworks, Inc.  
11490 Wright Road, P.O. Box 1808  
Lynwood, CA 90262

C. Testing Facility: Approved Engineering Testing Laboratory

D. Date of Testing: Jul 73

E. Outer Size: 87"L x 45"W x 87"H

F. Tare Weight: 395 lbs

G. Cube: 198 cubic feet

H. Bill of Materials:

BASE:	5/8" x 44 1/4" x 86"	Plywood	1 Pc.
	2" x 4" x 44 1/4"	Lumber	2 Pcs.
	2" x 4" x 79"	Lumber	2 Pcs.
	2" x 4" x 37 1/4"	Lumber	3 Pcs.
	4" x 4" x 14"	Lumber	6 Pcs.
HARDWARE FOR BASE:			
	2" x 11 1/2" GA	Screw Nail	As Req.
	3 1/4" x 10 1/2" GA	Screw Nail	12 Ea.
	3/8" x 4 1/2"	Lag Screw	12 Ea.
TOP:	5/8" x 4" x 87"	Plywood	1 Pc.
	2" x 4" x 44 1/4"	Lumber	2 Pcs.
END:	1/2" x 44 1/2" x 82 7/8"	Plywood	1 Pc.
DOOR:	1/2" x 44 1/2" x 82 7/8"	Plywood	1 Pc.
HARDWARE FOR DOOR: 3/8" x 2"		Lag screws & Washer	14 Ea.
SIDES:	3/8" x 48" x 82 7/8"	Plywood	2 Pcs
	3/8" x 39" x 82 7/8"	Plywood	2 Pcs.
	3/8" x 8 7/8" x 77 1/4"	Plywood	2 Pcs.
	2" x 4" x 83"	Lumber	2 Pcs.
	2" x 4" x 77 1/4"	Lumber	4 Pcs.

ASSEMBLY: Container must be caulked during the assembly process using a nonhardening caulking compound.



COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 132A
- B. Manufacturer: Gurnett Lyons & Co., Ltd.  
23 Thames Road  
Barking  
Essex IG110HT, United Kingdom
- C. Testing Facility: EPS (Research & Development) LTD
- D. Date of Testing: Jul 73
- E. Outer Size: 87 1/4"L x 48 1/4"W x 82 1/8"H
- F. Tare Weight: 416
- G. Cube: 200 cubic feet
- H. Bill of Materials:

NOTE: THIS CONTAINER HAS BEEN DISCONTINUED BY THE MANUFACTURER.  
SOME CONTAINERS MAY BE IN USE AND ARE ACCEPTABLE IF IN SOUND  
CONDITION. A FURTHER BILL OF MATERIALS IS NOT AVAILABLE.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 133A
- B. Manufacturer: ERO/Goodrich Forest Products, Inc.  
13939 S.W. Edy Road  
Sherwood, OR 97140
- C. Testing Facility: Abbot A. Hanks Testing Laboratory
- D. Date of Testing: Feb 74
- E. Outer Size: 87"L x 45"W x 83 1/2"H
- F. Tare Weight: 372 lbs
- G. Cube: 190 cubic feet
- H. Bill of Materials:

TOP:	87" x 45" x 5/8"	Plywood	1 Pc.
ENDS:	79 7/8" x 44 1/4" x 1/2"	Plywood	2 Pcs.
SIDES:	87" x 79 7/8" x 3/8"	Plywood	2 Pcs.
	2" x 4" Framing		8 Pcs.
BASE:	86" x 44 1/4" x 5/8"	Plywood	1 Pc.
	2" x 4" Framing		8 Pcs.
SKIDS:	3" x 4" x 15 1/2"	Wooden Blocks	9 Pcs.
OTHER:	4" Screw Nails		
	2" Cement Coated Nails		
	3" Lag Bolts		30 Ea.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 133B
- B. Manufacturer: ERO/Goodrich Forest Products, Inc.  
13939 S.W. Edy Road  
Sherwood, OR 97140
- C. Testing Facility: Abbot A. Hanks Testing Laboratory
- D. Date of Testing: Feb 74
- E. Outer Size: 87"L x 48"W x 83 1/2"H
- F. Tare Weight: 390 lbs
- G. Cube: 203 cubic feet
- H. Bill of Materials:

BASE:	86" x 47 1/4" x 5/8"	Plywood	1 Pc.
	79" x 4" x 2"	Framing	3 Pcs.
	2" x 4"	Framing	
	3" x 4" x 15 1/2"	Skid Blocks	9 Pcs.
ENDS:	79 7/8" x 47 1/4" x 1/2"	Plywood	2 Pcs.
TOP:	87" x 48" x 5/8"	Plywood	1 Pc.
	47 1/4" x 4" x 2"	Lumber	2 Pcs.
SIDES:	87" x 79 7/8" x 3/8"	Plywood	2 Pcs.
	2" x 4"	Framing	
OTHER:	2" Cement Coated Nails		
	4" Screw Nails		
	3" Lag Bolts		30 Ea.

COMMERCIAL SHIPPING CONTAINERS

A. MTMC Approval No: 133C

B. Manufacturer: ERO/Goodrich Forest Products, Inc.  
13939 S.W. Edy Road  
Sherwood, OR 97140

C. Testing Facility: Testing Engineers, Inc. & Pittsburgh Testing Laboratory

D. Date of Testing: Aug 81

E. Outer Size: 81"L x 44"W x 81"H

F. Tare Weight: 390 lbs

G. Exterior Cube: 167 cubic feet

H. Bill of Materials:

BASE:	43 1/4" x 80" x 5/8"	Plywood	1 Pcs.
TOP:	44" X 81" X 5/8"	Plywood	1 Pcs.
ENDS:	43 1/4" X 78" X 1/2"	Plywood	2 Pcs.
SIDES:	40 1/2" x 78" x 3/8"	Plywood	4 Pcs.
	4 3/8" x 72 1/4" x 3/8"	Plywood	1 Pc.
FRAMING LUMBER:	2" x 4" x 16 1/8"	Base	4 Pcs.
	2" x 4" x 43 1/4"	Base and Top	4 Pcs.
	2" x 4" x 72 1/4"	Sides	4 Pcs.
	2" x 4" x 72 7/8"	Base	3 Pcs.
	2" x 4" x 80"	Side	2 Pcs.
SKIDS:	3" x 4" x 15"	Lumber	9 Pcs.
OTHER:	1 1/2" Coated Staples (Plywood to Framing)		
	3 1/2" Screw Nails		
	3/8" x 3" Lag Bolts and Washers		30 Ea.

COMMERCIAL SHIPPING CONTAINERS

A. MTMC Approval No: 133D

B. Manufacturer: ERO/Goodrich Forest Products, Inc.  
13939 S.W. Edy Road  
Sherwood, OR 97140

C. Facility: Testing Engineers, Inc. and Pittsburgh Testing Laboratory

D. Date of Testing: Dec 81

E. Outer Size: 85"L x 45"W x 87"H

F. Tare Weight: 428 lbs.

G. Exterior Cube: 192.6 cubic feet

H. Bill of Materials:

BASE:	44 1/4" x 84" x 5/8"	Plywood	1 Pc.
TOP:	45" x 85" x 5/8"	Plywood	1 Pc.
ENDS:	44 1/4" x 87 7/8" x 1/2"	Plywood	2 Pcs.
SIDES:	42 1/2" x 83" x 3/8"	Plywood	4 Pcs.
	4 3/8" x 78 1/4" x 3/8"	Plywood	1 Pc.

FRAMING LUMBER:

BASE:	2" x 4" x 16 5/8"	4 Pcs.
BASE & TOP:	2" x 4" x 44 1/4"	4 Pcs.
SIDES:	2" x 4" x 78 1/4"	4 Pcs.
BASE:	2" x 4" x 76 7/8"	3 Pcs.
SIDE:	2" x 4" x 84"	2 Pcs.
SKIDS:	3" x 4" x 15"	9 Pcs.

ADDITIONAL MATERIAL:

1 1/2" Coated Staples	Plywood to Framing	
3 1/2" Screw Nails		
3/8" x 3" Lag Bolts		30 Ea.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 133E
- B. Manufacturer: ERO/Goodrich Forest Products, Inc.  
13939 S.W. Edy Road  
Sherwood, OR 97140
- C. Testing Facility: Testing Engineers, Inc., and Pittsburg Testing Laboratory
- D. Date of Testing: Dec 83
- E. Outer Size: 85"L x 45"W x 87"H
- F. Tare Weight: 410 lbs
- G. Cube: 192.6 cubic feet
- H. Bill of Materials:

BASE:	84" x 44 1/4" x 5/8"	1 Pc.
TOP:	85" x 45" x 5/8"	1 Pc.
ENDS:	83 7/8" x 44 1/4" x 1/2"	2 Pcs.
SIDES:	83 7/8" x 42 1/2" x 3/8"	4 Pcs.
SKIDS:	3" x 4" x 13"	9 Blocks
OTHER:	140d (Type 8d) nails are used for assembling container door and end, applied at 6" intervals. Nails (Type 20d) are used to fasten the skid to base and nails (Type 6d) are used to fasten side to side and front and back. All joints are sealed with a nonhardening caulking compound.	

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 134A
- B. Manufacturer: Aeroweld Company  
3120 S. Oak Street  
Santa Ana, CA 92707
- C. Testing Facility: Abbott A. Hanks Testing Laboratory
- D. Date of Testing: Mar 74
- E. Outer Size: 87 7/8"L x 57 7/8"W x 82 3/4"H
- F. Tare Weight: 549.5 lbs
- G. Cube: 250 cubic feet
- H. Bill of Materials:

SIDES:	87" x 39 5/8" x 1/2"	Plywood	4 Pcs.
	82" x 2 1/4" x 16"	Gauge Steel Splice Plate	4 Pcs.
	72" x 3" x 16"	Gauge Steel Frame	4 Pcs.
	88" x 4" x 16"	Gauge Steel Frame	4 Pcs.
BACK:	79" x 57 1/2" x 1/2"	Plywood	1 Pcs.
	80" x 3" x 16"	Gauge Steel Frame	2 Pcs.
	58" x 4" x 16"	Gauge Steel Frame	2 Pcs.
FLOOR:	87" x 56 1/2" x 3/4"	Plywood	1 Pc.
	58" x 4" x 16"	Gauge Steel Frame	2 Pcs.
	87" x 4" x 16"	Gauge Steel Frame	2 Pcs.
TOP:	87 3/4" x 57 3/4" x 5/8"	Plywood	1 Pc.
	58" x 4" x 16"	Gauge Steel Frame	
	88" x 4" x 16"	Gauge Steel Frame	2 Pcs.
FRONT:	79" x 48" x 5/8"	Plywood	1 Pc.
	72" x 3" x 16"	Gauge Steel Frame	4 Pcs.
	58" x 3" x 16"	Gauge Steel Frame	2 Pcs.
OTHER:	Screws		

COMMERCIAL SHIPPING CONTAINERS

A. MTMC Approval No: 134B

B. Manufacturer: Aeroweld Company  
3120 S. Oak Street  
Santa Ana, CA 92707

C. Testing Facility: Abbot A. Hanks Testing Laboratory

D. Date of Testing: Mar 74

E. Outer Size: 96"L x 48"W x 83"H

F. Tare Weight: 507 lbs

G. Cube: 202 cubic feet

H. Bill of Materials:

SIDES:	96" x 41.5" x 1/2"	Plywood	4 Pcs.
TOP:	96" x 48" x 5/8"	Plywood	1 Pc.
BOTTOM:	96" x 48" x 3/4"	Plywood	1 Pc.
BACK:	83" x 48" x 1/2"	Plywood	1 Pc.
DOOR:	83" x 48" x 5/8"	Plywood	1 Pc.
FRAME:	16 Gauge Steel		1 Pc.
SKIDS:	14 Gauge Steel		2 Pcs.
DOOR CLIPS:			9 Pcs.
OTHER:	Screws		



COMMERCIAL SHIPPING CONTAINERS

A. MTMC Approval No: 134C

B. Manufacturer: Aeroweld Company  
3120 S. Oak Street  
Santa Ana, CA 92707

C. Testing Facility: Abbot A. Hanks Testing Laboratory

D. Date of Testing: Mar 76

E. Outer Size: 90"L x 72"W x 84"H

F. Tare Weight: 659 lbs

G. Cube: 315 cubic feet

H. Bill of Materials: Plywood - grade - CDX. Lumber grade - construction or better.

BASE:	SKIDS	4" x 4" x 90"		3 Pcs.
	PLYWOOD FLOOR	1 1/8" x 71" x 88 7/8"	T&G Joint	1 Pc.
SIDES:	PLYWOOD SHEETING	1/2" x 90" x 83 7/8"	scarf jointed	2 Pcs.
	UPRIGHTS	2" x 4" x 75 1/4"		4 Pcs.
	EDGE MEMBER	2" x 4" x 85 7/8"		2 Pcs.
BACK:	PLYWOOD SHEETING	1/2" x 71" x 79 3/4"		1 Pc.
	EDGE MEMBER	4" x 4" x 71"		3 Pcs.
	HEADER	2" x 2" x 67"		1 Pc.
FRONT:	PLYWOOD SHEETING	5/8" x 23" x 79 3/4"		1 Pc.
	UPRIGHT	2" x 6" x 75 1/4"		1 Pc.
	HEADER	2" x 2" x 16"		1 Pc.
DOOR:	PLYWOOD SHEETING	5/8" x 23" x 70 3/4"		1 Pc.
TOP:		5/8" x 72" x 90"	T&G Joint	

NAILING PATTERN: Skids to floor - 16d screw nails - c.c. staggered on 6" center.

Uprights to plywood sheeting - 1 1/2" divergent staples, cement coated, staggered on 4" centers.

Assembly - 16d cement coated, staggered on 4" center.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 134D
- B. Manufacturer: Aeroweld Company  
3120 South Oak Street  
Santa Ana, CA 92707
- C. Testing Facility: Abbot A. Hanks Testing Laboratory
- D. Date of Testing: May 76
- E. Outer Size: 90"L x 72"W x 48"H
- F. Tare Weight: 530 lbs
- G. Cube: 180 cubic feet
- H. Bill of Materials:

NOTE: THIS CONTAINER HAS BEEN DISCONTINUED BY THE MANUFACTURER.  
SOME CONTAINERS MAY BE IN USE AND ARE ACCEPTABLE IF IN SOUND  
CONDITION. A FURTHER BILL OF MATERIALS IS NOT AVAILABLE.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 135A
- B. Manufacturer: Vanpac Carriers, Inc.  
2114 MacDonald Ave.  
Richmond, CA 94801
- C. Testing Facility: Abbot A. Hanks Testing Laboratory
- D. Date of Testing: Mar 74
- E. Outer Size: 90"L x 72"W x 83"H
- F. Tare Weight: 675 lbs
- G. Cube: 315 cubic feet
- H. Bill of Material: Plywood-grade-CDX lumber grade-construction/better

BASE:	SKIDS	4" x 4" x 90"		3 Pcs.
	PLYWOOD FLOOR	1 1/8" x 71" x 88 7/8"	T&G Joint	1 Pc.
SIDES:	PLYWOOD	1/2" x 90" x 83 7/8"	Scarf Joint	2 Pcs.
		or 8" overlay joint.		
	UPRIGHT	2" x 4" x 75 1/4"		4 Pcs.
	EDGE	2" x 4" x 85 7/8"		2 Pcs.
BACK:	PLYWOOD	1/2" x 71" x 79 3/4"		1 Pc.
	HEADER	2" x 2" x 67"		1 Pc.
	EDGE MEMBER	4" x 4" x 71"		3 Pcs.
FRONT:	PLYWOOD	5/8" x 23" x 79 3/4"		1 Pc.
	DOOR	5/8" x 48" x 79 3/4"		1 Pc.
	UPRIGHT	2" x 6" x 75 1/4"		1 Pc.
	HEADER	2" x 2" x 16"		1 Pc.
TOP:	PLYWOOD	5/8" x 72" x 90"	T&G Joint	1 Pc.

NAILING PATTERN: Skids to floor - 16d screw nails - c.c. on 6" center staggered.  
Uprights to plywood sheeting 1 1/2" divergent staples, c.c. staggered on 4" center.

ASSEMBLY: 16d cement coated, staggered on 4" center.

NOTE: THIS CONTAINER HAS BEEN DISCONTINUED BY THE MANUFACTURER.  
SOME CONTAINERS MAY BE IN USE AND ARE ACCEPTABLE IF IN  
SOUND CONDITION. A FURTHER BILL OF MATERIALS IS NOT  
AVAILABLE.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 135B
- B. Manufacturer: Vanpac Carriers, Inc.  
2114 MacDonald Avenue  
Richmond, CA 94801
- C. Testing Facility: Abbot A. Hanks Testing Laboratory
- D. Date of Testing: Jun 74
- E. Outer Size: 90"L x 72"W x 48"H
- F. Tare Weight: 400 lbs
- G. Cube: 180 cubic feet
- H. Bill of Materials:

TOP:	90" x 44 3/4" x 3/4"	Plywood	1 Pc.
	90" x 27 1/4" x 3/4"	Plywood	1 Pc.
SIDES:	90" x 48" x 1/2"	Plywood	2 Pcs.
FRONT & BACK:	72" x 48" x 1/2"	Plywood	2 Pcs.
BOTTOM:	89" x 71" x 3/4"	Plywood	1 Pc.
SKIDS:	3" x 4" x 90"	Lumber	3 Pcs.
OTHER:	2" x 4" Lumber		2 Lbs.
	8d Nails		1 Lbs.
	10d Nails		1 Lb.
	16d Nails		1 Lb.
	20d Nails		

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 136A
- B. Manufacturer: J. Muller-Zeiner K.G.  
1 Berlin 44  
Nobel Strasse 34, Germany
- C. Testing Facility: Otto-Graf-Institut, University of Stuttgart
- D. Date of Testing: Mar 74
- E. Outer Size: 86.6"L x 44"W x 80.7"H
- F. Tare Weight: 408 lbs
- G. Cube: 185 cubic feet
- H. Bill of Materials:

NOTE: THIS CONTAINER HAS BEEN DISCONTINUED BY THE MANUFACTURER.  
SOME CONTAINERS MAY BE IN USE AND ARE ACCEPTABLE IF IN  
SOUND CONDITION. A FURTHER BILL OF MATERIALS IS NOT  
AVAILABLE.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 136B
- B. Manufacturer: J. Muller-Zeiner KG  
1 Berlin 44  
Mobel Strasse 34, Germany
- C. Testing Facility: Otto-Graf-Institut, University of Stuttgart
- D. Date of Testing: Apr 76
- E. Outer Size: 86.6"L x 48.2"W x 81.5"H
- F. Tare Weight: 441 lbs
- G. Cube: 198 cubic feet
- H. Bill of Materials:

BOTTOM:	86.6" x 48.2" x 0.47" 2" x 4"	Plywood Lumber	1 Pc.
ENDS:	78.4" x 48.2" x 0.37"	Plywood	2 Pcs.
TOP:	86.6" x 48.2" x 0.47"	Plywood	1 Pc.
SIDES:	78.4" x 43.3" x 0.47" 2" x 4"	Plywood Lumber	4 Pcs.
SKIDS:	18.5" x 2.76" x 3.81"	Lumber	6 Pcs.

COMMERCIAL SHIPPING CONTAINERS

A. MTMC Approval No: 136C

B. Manufacturer: J. Muller-Zeiner  
1 Berlin 44  
Mobel Strasse 34, Germany

C. Testing Facility: Otto-Graf-Institut, University of Stuttgart

D. Date of Testing: Apr 76

E. Outer Size: 87.4"L x 46.9"W x 86.8"H

F. Tare Weight: 441 lbs

G. Cube: 205 cubic feet

H. Bill of Materials:

SIDES:	83.8" x 43.7" x 0.37" 2" x 4"	Plywood Lumber	4 Pcs.
ENDS:	83.8" x 46.85" x 0.47"	Plywood	2 Pcs.
BOTTOM:	87.4" x 46.85" x 0.63" 2" x 4"	Plywood Lumber	1 Pc.
TOP:	87.4" x 46.85" x 0.63"	Plywood	1 Pc.
SKIDS:	18.5" x 2.76" x 3.81"	Lumber	6 Pcs.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 137A
- B. Manufacturer: Ditta Brutti Glancarlo  
Chiaviche di Marmirolo (Mantova), Italy
- C. Testing Facility: Politecnico Di Torino
- D. Date of Testing: May 74
- E. Outer Size: 86.6"L x 43.3"W x 80.3"H
- F. Tare Weight: 433 lbs
- G. Cube: 174 cubic feet
- H. Bill of Materials:

SIDES:	86.6" x 78.0" x .35"	Plywood	1 Pc.
	82.7" x 3.54" x 1.57"	Fir	1 Pc.
	74.4" x 3.54" x 1.57"	Fir	2 Pcs.
	72.4" x 3.54" x .79"	Fir	1 Pc.
	78.7" x 1.97" x .79"	Fir	1 Pc.
DOOR:	77.9" x 42.9" x .47"	Plywood	1 Pc.
ROOF:	86.6" x 43.3" x .6"	Plywood	1 Pc.
	42.9" x 3.54" x 1.57"	Fir	2 Pcs.
BASE:	85.8" x 40.9" x .6"	Plywood	1 Pcs
	78.7" x 3.54" x 1.57"	Fir	2 Pcs.
	40.9" x 3.54" x 1.57"	Fir	2 Pcs.
	38.9" x 3.54" x 1.57"	Fir	2 Pcs.
	15.7" x 3.1" x 3.1"	Fir	6 Pcs.
SCREWS:			6

NOTE: Above measurements were converted from metric measurements.



COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 137B
- B. Manufacturer: Ditta Brutti Giancarlo  
Chiaviche di Marmirolo (Mantova), Italy
- C. Testing Facility: Politecnico Di Torino
- D. Date of Testing: Nov 75
- E. Outer Size: 90"L x 47"W x 89"H
- F. Tare Weight: 507 lbs
- G. Cube: 220 cubic feet
- H. Bill of Materials:

SIDE:	45" x 89" x 3/8"	4 Pcs.
DOOR:	47" x 89" x 1/2"	1 Pc.
END:	47" x 89" x 1/2"	1 Pc.
ROOF:	90" x 47" x 5/8"	1 Pc.
BASE:	90" x 47" x 5/8"	1 Pc.
BEAMS:	90" x 1.57"	1 Pc.
HARDWARE:	Coupling screws and nails	

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 138A
- B. Manufacturer: Higa Fast Pac, Inc.  
465 California St.  
San Francisco, CA 94104
- C. Testing Facility: Abbot A. Hanks Testing Laboratory
- D. Date of Testing: Dec 71
- E. Outer Size: 87"L x 46"W x 87"H
- F. Tare Weight: 370 lbs
- G. Cube: 201 cubic feet
- H. Bill of Materials:

PLYWOOD:

1. Top panel-5/8"; use 10d common nails 4" oc to top and end 2" x 4" headers.
2. End panel-1/2" (permanent end); use 8d common nails, 4" oc to 2" x 4" end headers; 2" x 4" posts; 2" x 4" base framing.
3. End Panel - 1/2" (removable door end); use 3/8" x 3" lag bolts three each at both sides to 2" x 4" posts and one each at bottom 2" x 4" base frame.
4. Side panels - 3/8"; use 8d common nails at 4" oc to 2" x 4" top headers; 2" x 4" posts; 2" x 4" base framing.
5. Splice Batten-3/8"; use wire brad staples at 2" oc staggered at both sides of 3/8" plywood joint; staples to be applied from inside of box.
6. Bottom panel-5/8"; use 10d common nails at 4" oc staggered to 2" x 4" base framing.

FRAMING: 2" x 4"

7. Base Framing - Use 14D common nails 3" oc staggered to 4" x 4" skid blocks.
8. Provide 3/8" x 3" lag bolts, three each at all corners.
9. Provide 1" wide horizontal steel band at mid-point, continuous around box after securing door.
10. All plywood to be exterior grade, C-D panels.

COMMERCIAL SHIPPING CONTAINERS

A. MTMC Approval No: 139A

B. Manufacturer: Smyth Worldwide Movers  
P.O. BOX 1222  
Bellevue, WA 98009

C. Testing Facility: Abbot A. Hanks Testing Laboratory

D. Date of Testing: Jun 74

E. Outer Size: 87"L x 48"W x 82"H

F. Tare Weight: 430 lbs

G. Cube: 198 cubic feet

H. Bill of Materials:

TOP:	5/8" x 48" x 87"	Plywood	1 Pc.
	2" x 4" x 47 1/4"	Braces	2 Pcs.
BOTTOM:	5/8" x 47 1/4" x 86"	Plywood	1 Pc.
	2" x 4" x 79"	Braces	3 Pcs.
	2" x 4" x 47 1/4"	Braces	2 Pcs.
	2" x 4" x 18"	Braces	4 Pcs.
ENDS:	1/2" x 47" x 83 3/8"	Plywood	2 Pcs.
SIDES:	3/8" x 48" x 83 3/8"	Plywood	2 Pcs.
	3/8" x 39" x 83 3/8"	Plywood	2 Pcs.
	3/8" x 8 7/8" x 77 1/4"	Plywood	2 Pcs.
SKIDS:	3" x 3 1/2" x 12"		9 Pcs.
NAILS:	Bottom	16d approximately 55	
		6d Ring Shank approximately 50	
	Sides	1 1/2" 15 GA staples, cc, approximately 65	
		1 1/8" 15 GA staples, clinched, approximately 65	
	End	8d cc approximately 78	
	Door End	8d cc as required	
	Top	8d cc approximately 70	
BOLTS:	Side	24 - 2 1/2" x 3/8" with washers	
	End	24 - 2 1/2" x 3/8" with washers	

Caulking Compound: Minimum of 2 lbs.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 139B
- B. Manufacturer: Smyth Worldwide Movers, Inc.  
P.O. Box 1222  
Bellevue, WA 98009
- C. Testing Facility: Abbot A. Hanks Testing Laboratory
- D. Date of Testing: Nov 74
- E. Outer Size: 87"L x 45"W x 82"H
- F. Tare Weight: 418 lbs
- G. Cube: 186 cubic feet
- H. Bill of Materials:

TOP:	5/8" x 45" x 87"	Plywood	1 Pc.
	2" x 4" x 44 1/4"	Braces	2 Pcs.
BOTTOM:	5/8" x 44 1/4" x 86"	Plywood	1 Pc.
	2" x 4" x 79"	Braces	3 Pcs.
	2" x 4" x 44 1/4"	Braces	2 Pcs.
	2" x 4" x 16 3/4"	Braces	4 Pcs.
ENDS:	1/2" x 44 1/4" x 78 3/8"	Plywood	2 Pcs.
SIDES:	3/8" x 48" x 69 3/4"	Plywood	2 Pcs.
	3/8" x 39" x 69 3/4"	Plywood	2 Pcs.
	3/8" x 8 7/8" x 57 1/2"	Plywood	2 Pcs.
	2" x 4" x 86"	Braces	2 Pcs.
	2" x 4" x 64 1/8"	Braces	4 Pcs.
SKIDS:	3" x 3 1/2" x 12"	Braces	9 Pcs.
OTHER:	16d Nails		55 Pcs.
	6d Nails		50 Pcs.
	8d Nails		
	1 1/2" 15 Gauge Staples		
	1 1/8" 15 Gauge Staples		
	1 5/8" x 3/8" Bolts		

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 139C
- B. Manufacturer: Smyth Worldwide Movers, Inc.  
P.O. Box 1222  
Bellevue, WA 98009
- C. Testing Facility: Abbot A. Hanks Testing Laboratory
- D. Date of Testing: Nov 74
- E. Outer Size: 87"L x 48"W x 82"H
- F. Tare Weight: 428 lbs
- G. Cube: 198 cubic feet
- H. Bill of Materials:

TOP:	5/8" x 48" x 87" 2" x 4" x 47 1/4"	Plywood Braces	1 Pc. 2 Pcs.
BOTTOM:	5/8" x 47 1/4" x 86" 2" x 4" x 79" 2" x 4" x 47 1/4" 2" x 4" x 18"	Plywood Braces Braces Braces	1 Pc. 3 Pcs. 2 Pcs. 4 Pcs.
ENDS:	1/2" x 47 1/4" x 78 3/8"	Plywood	2 Pcs.
SIDES:	3/8" x 48" x 78 3/8" 3/8" x 39" x 78 3/8" 3/8" x 8 7/8" x 72 3/4" 2" x 40" x 87" 2" x 4" x 72 3/4"	Plywood Plywood Plywood Braces Braces	2 Pcs. 2 Pcs. 2 Pcs. 2 Pcs. 4 Pcs.
SKIDS:	3" x 3 1/2" x 12"	Braces	9 Pcs.
OTHER:	16d Nails; 8d Nails 6d Nails 1 1/2" 15 Gauge Staples 1 1/8" 15 Gauge Staples		

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 139D
- B. Manufacturer: Smyth Worldwide Movers, Inc.  
P.O. Box 1222  
Bellevue, WA 98009
- C. Testing Facility: Abbot A. Hanks Testing Laboratory
- D. Date of Testing: Jan 75
- E. Outer Size: 87"L x 48"W x 82"H
- F. Tare Weight: 535 lbs
- G. Cube: 198 cubic feet
- H. Bill of Materials:

TOP:	13/16" x 48" x 87"	Plywood	1 Pc.
	2" x 4" x 47"	Lumber	2 Pcs.
BOTTOM:	13/16" x 46" x 85 5/8"	Plywood	1 Pc.
	2" x 4" x 78 5/8"	Lumber	3 Pcs.
	2" x 4" x 47"	Lumber	2 Pcs.
	2" x 4" x 18 1/4"	Lumber	4 Pcs.
SKIDS:	3" x 3 1/3" x 12"	Lumber	9 Pcs.
ENDS:	11/16" x 47" x 78 3/16"	Plywood	2 Pcs.
SIDES:	1/2" x 48 1/2" x 78 3/16"	Plywood	2 Pcs.
	1/2" x 38 1/2" x 78 3/16"	Plywood	2 Pcs.
	1/2" x 8 7/8" x 70 3/8"	Plywood	2 Pcs.
	2" x 4" x 85 5/8"	Lumber	2 Pcs.
	2" x 4" x 70 3/8"	Lumber	4 Pcs.
OTHER:	16d Nails		
	8d Nails		
	1 1/2" 15 Gauge Staples		

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 139E
- B. Manufacturer: Smyth Worldwide Movers, Inc.  
P.O. Box 1222  
Bellevue, WA 98009
- C. Testing Facility: Abbot A. Hanks Testing Laboratory
- D. Date of Testing: Jan 75
- E. Outer Size: 87"L x 48"W x 87"H
- F. Tare Weight: 565 lbs
- G. Cube: 210 cubic feet
- H. Bill of Materials:

TOP:	13/16" x 48" x 87"	Plywood	1 Pc.
	2" x 4" x 47"	Lumber	2 Pcs.
BOTTOM:	13/16" x 47" x 85 5/8"	Plywood	1 Pc.
	2" x 4" x 78 5/8"	Lumber	3 Pcs.
	2" x 4" x 47"	Lumber	2 Pcs.
	2" x 4" x 18 1/4"	Lumber	4 Pcs.
SKIDS:	3" x 3 1/2" x 12"	Lumber	9 Pcs.
ENDS:	11/16" x 47" x 83 3/16"	Plywood	2 Pcs.
SIDES:	1/2" x 48 1/2" x 83 3/16"	Plywood	2 Pcs.
	1/2" x 38 1/2" x 83 3/16"	Plywood	2 Pcs.
	1/2" x 8 7/8" x 77 5/16"	Plywood	2 Pcs.
	2" x 4" x 85 5/8"	Lumber	2 Pcs.
	2" x 4" x 77 5/16"	Lumber	4 Pcs.
OTHER:	16d Nails		
	8d Nails		
	1 1/2" 15 Gauge Staples		
	1 1/8" 15 Gauge Staples		

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 139F
- B. Manufacturer: Smyth Van lines, Inc.  
P.O. Box 3020  
Bellevue, WA 98009
- C. Testing Facility: Abbot A. Hanks Testing Laboratory
- D. Date of Testing: Dec 75
- E. Outer Size: 120"L x 48"W x 96 1/4"H
- F. Tare Weight: 710 lbs
- G. Cube: 320 cubic feet
- H. Bill of Materials:

BASE:	116 1/4" x 47" x 3/4"	Plywood	1 Pc.
	2" x 6" x 47"	Lumber	2 Pcs.
	2" x 6" x 105 1/4"	Lumber	2 Pcs.
	2" x 4" x 20 3/4"	Blocks	3 Pcs.
	4" x 4" x 20"	Blocks	3 Pcs.
	4" x 4" x 30"	Blocks	6 Pcs.
DOOR:	88 1/2" x 43 1/2" x 1/4"	Plywood	1 Pc.
	1/2" x 5" x 43 1/2"	Lumber	2 Pcs.
	1/2" x 5" x 78 1/2"	Lumber	2 Pcs.
	1/2" x 5" x 33 1/2"	Lumber	2 Pcs.
BACK PANEL:	1/2" x 47" x 92"	Plywood	1 Pc.
	2" x 4" x 88 1/4"	Lumber	2 Pcs.
SIDES:	1/2" x 120" x 92"	Plywood	2 Pcs.
TOP:	5/8" x 48" x 120"	Plywood	1 Pc.
	2" x 3" x 47"	Lumber	2 Pcs.
	2" x 3" x 27"	Lumber	2 Pcs.
	2" x 3" x 84 1/4"	Lumber	2 Pcs.
OTHER:	5/16" x 2 1/2" Bolts		
	5/16" x 1" Bolts		
	8d Nails		
	Staples		



COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 139G
- B. Manufacturer: Smyth Van Lines, Inc.  
P.O. Box 3020  
Bellevue, WA 98009
- C. Testing Facility: Abbot A. Hanks Testing Laboratory
- D. Date of Testing: Dec 75
- E. Outer Size: 60"L x 48"W x 96 1/4"H
- F. Tare Weight: 420 lbs
- G. Cube: 160 cubic feet
- H. Bill of Materials:

BASE:	56 1/4" x 47" x 5/8"	Plywood	1 Pc.
	2" x 4" x 47"	Lumber	2 Pcs.
	2" x 4" x 49 1/4"	Lumber	2 Pcs.
	2" x 4" x 24 1/2"	Lumber	1 Pc.
	4" x 4" x 11 3/4"	Blocks	4 Pcs.
	4" x 4" x 11"	Blocks	2 Pcs.
	4" x 4" x 20"	Blocks	3 Pcs.
DOOR:	1/4" x 43 1/2" x 88 1/2"	Plywood	2 Pcs.
	1/2" x 5" x 43 1/2"	Lumber	2 Pcs.
	1/2" x 5" x 98 1/2"	Lumber	2 Pcs.
	1/2" x 5" x 33 1/2"	Lumber	2 Pcs.
BACK PANEL:	1/2" x 60" x 92"	Plywood	1 Pc.
	2" x 3" x 88 3/8"	Lumber	2 Pcs.
SIDES:	1/2" x 60" x 92"	Plywood	1 Pc.
TOP:	5/8" x 48" x 60"	Plywood	1 Pc.
	2" x 3" x 47"	Lumber	2 Pcs.
	2" x 3" x 47"	Lumber	2 Pcs.
	2" x 3" x 51 1/4"	Lumber	2 Pcs.
OTHER:	3/8" x 5 1/2" Bolts		
	5/16" x 2 1/2" Bolts		
	8d Nails		
	Staples		

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 139H
- B. Manufacturer: Smyth Van Lines, Inc.  
P.O. Box 3020  
Bellevue, WA 98009
- C. Testing Facility: Abbot A. Hanks Testing Laboratory
- D. Date of Testing: Dec 75
- E. Outer Size: 60"L x 48"W x 48 3/8"H
- F. Tare Weight: 290 lbs
- G. Cube: 80 cubic feet
- H. Bill of Materials:

BASE:	5/8" x 47" x 56 1/4"	Plywood	1 Pc.
	2" x 4" x 47"	Lumber	2 Pcs.
	2" x 4" x 49 1/4"	Lumber	2 Pcs.
	2" x 4" x 24 1/2"	Lumber	1 Pc.
	4" x 4" x 11 3/4"	Blocks	4 Pcs.
	4" x 4" x 11"	Blocks	2 Pcs.
	4" x 4" x 20"	Blocks	3 Pcs.
DOOR:	1/4" x 43 1/2" x 40 1/2"	Plywood	1 Pc.
	1/2" x 6" x 40 1/2"	Lumber	2 Pcs.
	1/2" x 6" x 33 1/2"	Lumber	3 Pcs.
BACK PANEL:	1/2" x 47" x 44"	Plywood	1 Pcs
	2" x 3" x 40 3/8"	Lumber	2 Pcs.
SIDES:	1/2" x 60" x 44"	Plywood	2 Pcs.
TOP:	1/2" x 48" x 60"	Plywood	1 Pc.
	2" x 3" x 49"	Lumber	2 Pcs.
	2" x 3" x 51 1/4"	Lumber	2 Pcs.
OTHER:	5/16" x 2 1/2" Bolts		
	5/16" x 1" Bolts		
	1/4" x 1" Bolts		
	8d Nails		

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 140A
- B. Manufacturer: Intexpak, Inc.  
4600 Eisenhower Ave  
Alexandria, VA 22304
- C. Testing Facility: General Environments Corporation
- D. Date of Testing: Jun 74
- E. Outer Size: 88 1/8"L x 48 1/4"W x 87 3/4"H
- F. Tare Weight: 528 lbs
- G. Cube: 216 cubic feet
- H. Bill of Materials:

BASE:	5/8" x 4' x 8'	CDX Pine Plywood Sheathing	1 Pc.
	3" x 4' x 8'	Pine Runners	3 Pcs.
	4" x 4" x 8"	Pine Runners	9 Pcs.
SIDES AND END:	5/16" x 4' x 8'	CDX Pine Plywood Sheathing	5 Pcs.
TOP AND DOOR:	3/8" x 4' x 8'	CDX Pine Plywood Sheathing	2 Pcs.
MISC. MATERIALS:	2" x 4" x 7'	Fir Framing	6 Pcs.
	2" x 4" x 8'	Fir Framing	2 Pcs.
	3" x 3/8"	Lag screws & washers	30 Pcs.
	2 Tubes Architectural Grade Caulking Compound		

The sides, ends, top and floor are affixed to the frame with 2" clench type staples and nails. The runners are affixed to the floor with lag screws and washers.

It is necessary to utilize 3.4" steel banding when shipping household goods within this container.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 140B
- B. Manufacturer: Intexpak, Inc.  
4600 Eisenhower Ave.  
Alexandria, VA 22304
- C. Testing Facility: General Environments Corporation
- D. Date of Testing: Jun 74
- E. Outer Size: 88 1/4"L x 60 1/8"W x 88 1/4"H
- F. Tare Weight: 620 lbs
- G. Cube: 271 cubic feet
- H. Bill of Materials:

BASE:	1" x 5' x 8'	CDX Pine Plywood Sheathing	1 Pc.
	4" x 4" x 8'	Pine Runners	3 Pcs.
SIDES:	1/2" x 4' x 8'	CDX Pine Plywood Sheathing	4 Pcs.
TOP AND END:	1/2" x 5' x 8'	CDX Plywood Sheathing	3 Pcs.
MISC. MATERIALS:	2" x 4" x 5'	Fir Framing	4 Pcs.
	2" x 4" x 7'	Fir Framing	2 Pcs.
	59" x 88"	Steel "Pre-Fabricated" Door Frame	1 Pc.
	1 1/2" x 1 1/2" x 8'	Steel	2 Pcs.
	3" x 3/8"	Lag Screws and washers	34 Pcs.
	3 Tubes Architectural Grade Caulking Compound		

The sides, ends, top and floor are affixed to frame with 2" clench type staples and nails. The runners are affixed to the floor with lag screws with washers.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 141A
- B. Manufacturer: Bear Van Lines  
718 Redwood Avenue  
Sand City, CA 93955
- C. Testing Facility: Abbot A. Hanks Testing Laboratory
- D. Date of Testing: Jun 74
- E. Outer Size: 87"L x 56"W x 82"H
- F. Tare Weight: 775 lbs
- G. Cube: 231 cubic feet
- H. Bill of Materials:

SIDES:	3/4" x 80 1/2" x 78 3/4"	Plywood	2 Pcs.
END:	3/4" x 54 1/4" x 78 3/8"	Plywood	1 Pc.
TOP:	Steel		
FLOOR:	1 1/8" x 90 1/2" x 54 1/8"	Steel	1 Pc.
DOOR:	3/4" x 48 3/8" x 71"	Plywood	1 Pc.
OTHER:	Steel Frame		

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 141B
- B. Manufacturer: Bear Van Lines  
718 Redwood Avenue  
Sand City, CA 93955
- C. Testing Facility: Abbot A. Hanks Testing Laboratory
- D. Date of Testing: Jun 74
- E. Outer Size: 90"L x 60"W x 90.5"H
- F. Tare Weight: 1135 lbs
- G. Cube: 282.8 cubic feet
- H. Bill of Materials:

SIDES:	3/4" x 86 1/2" x 82 3/4"	Plywood	2 Pcs.
ENDS:	3/4" x 86 1/2" x 58"	Plywood	1 Pc.
TOP:	Steel		
FLOOR:	1 1/4" x 83" x 58 1/2"	Laminates (steel)	3 Pcs.
DOOR:	3/4" x 76 1/4" x 51 3/8"	Plywood	1 Pc.
OTHER:	Steel Frame		

COMMERCIAL SHIPPING CONTAINERS

A. MTMC Approval No: 142A

B. Manufacturer: SIT Transportes Internacionales, S.A.  
Av. Jose Antonio, 66  
Madrid 13, Spain

C. Testing Facility: Centro Experimental Del Frio-University of Madrid

D. Date of Testing: Jun 74

E. Outer Size: 86.6"L x 48"W x 77.5"H

F. Tare Weight: 405.7 lbs

G. Cube: 186.7 cubic feet

H. Bill of Materials:

SKID:	15.7" x 3.7" x 2 1/2"	Bottom Block	9 Pcs.
	47 1/4" x 3.7" x 1 1/2"	Runner Lumber	2 Pcs.
	77.9" x 3.7" x 1 1/2"	Runner Lumber	3 Pcs.
	85.5" x 47 1/2" x .6"	Plywood Board	1 Pc.
	4.7"	Nails	54 Ea.
	2.7"	Nails	80 Ea.
SIDES:	74.2" x 86.6" x .4"	Plywood Board	2 Pcs.
	69.9" x 3.7" x 1 1/2"	Runner Lumber	6 Pcs.
	77.9" x 3.7" x 1 1/4"	Runner Lumber	2 Pcs.
	77.9" x 86.6" x .4"	Plywood Board	2 Pcs.
	1.9"	Staples	250 Ea.
	3.1"	Nails	100 Ea.
	.3" x 3.1"	Lag Screws	40 Ea.
END:	77.9" x 47 1/4" x .6"	Plywood Board	2 Pcs.
	3.1"	Nails	100 Ea.
	.3" x 3.1"	Lag Screws	26 Ea.
TOP:	86.6" x 48" x .6"	Plywood Board	1 Pc.
	47 1/4" x 3.7" x 1 1/2"	Runner Lumber	2 Pcs.
	3.1"	Nails	100 Ea.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 143A
- B. Manufacturer: Hampton Roads Box Company, Inc.  
P.O. Box 1157  
Suffolk, VA 23434
- C. Testing Facility: Froehling & Roberts, Incorporated
- D. Date of Testing: Jun 74
- E. Outer Size: 87 1/2"L x 48 1/4"W x 82"H
- F. Tare Weight: 540 lbs
- G. Cube: 200 cubic feet
- H. Bill of Materials:

SIDES: 3/8" Plywood

END: 1/2" Plywood

TOP & BOTTOM: 5/8" Plywood

BRACING: 2" x 4" dressed lumber (1 1/2" x 3 1/2")

Plywood Standard Grade 32/16, PS 1-66-CDX  
Interior Plywood with Exterior Glue  
Seal one side

Nailed along all joints except front panel with 6d (1 1/2" x .086 coated) nails.

Bolted along all joints with 3/8" dia. lag screws at 6-8" intervals.

Banded vertically with 4 rows of 3/4" metal banding.  
Banded horizontally with 2 rows of 3/4" metal banding.

Joints sealed with ALCATRAZ (brand name) caulking compound.



COMMERCIAL SHIPPING CONTAINERS

A. MTMC Approval No: 143B

B. Manufacturer: Hampton Roads Box Company, Inc.  
P.O. Box 1157  
Suffolk, VA 23434

C. Testing Facility: National Testing Standards, Incorporated

D. Date of Testing: Mar 84

E. Outer Size: 86 5/8"L x 46 1/16" W x 86"H

F. Tare Weight: 350 lbs

G. Cube: 194 cubic feet

H. Bill of Materials:

TOP:	87" x 45" x 3/8"	1 Pc.
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BASE:	86" x 44 1/4" x 1/2"	1 Pc.
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ENDS:	83 1/4" x 45" x 3/8"	2 Pcs.
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SIDES:	83 1/4" x 48" x 3/8"	2 Pcs.
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SKIDS:	12" x 3/4" x 4"	6 Pcs.
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OTHER:	3/8" x 2" lag bolts with flat washer - 24 each 5/16" x 3 1/2" lag bolts - 18 ea 1 3/4" nails - 350 each
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Caulking: All secures and joints sealed with a latex, nonhardening compound prior to assembly.

COMMERCIAL SHIPPING CONTAINERS

A. MTMC Approval No: 143B-1

B. Manufacturer: Hampton Roads Box Company, Inc.  
P.O. Box 1157  
Suffolk, VA 23434

C. Testing Facility: N/A

D. Date of Testing: N/A

E. Outer Size: 87"L x 47"W x 87"H

F. Tare Weight: 368 lbs

G. Cube: 206 Cubic Feet

H. Bill of Materials:

TOP:	87" x 47" x 3/8"	1 Pc.
BASE:	86" x 46 1/4" x 1/2"	1 Pc.
ENDS:	83 1/4" x 47" x 3/8"	2 Pcs.
SIDES:	83 1/4" x 48" x 3/8"	2 Pcs.
SIDES:	83 1/4" x 38" x 3/8"	2 Pcs.
SKIDS:	3" x 4" x 12"	6 Pcs.
OTHER:	3/8" x 2" lag bolts with flat washer - 24 each 5/16" x 3 1/2" lag bolts - 18 each. 5/16" x 3 1/2" lag bolts - 18 each. 1 3/4" nails - 350 each	

Caulking: All secures and joints sealed with a latex, nonhardening compound prior to assembly.

COMMERCIAL SHIPPING CONTAINERS

A. MTMC Approval No: 143C

B. Manufacturer: Hampton Roads Box Company, Inc.  
P.O. Box 1157  
Suffolk, VA 23434

C. Testing Facility: National Testing Standards, Incorporated

D. Date of Testing: Mar 84

E. Outer Size: 86 7/8"L x 45 1/16"W x 86 3/8"H

F. Tare Weight: 404 lbs

G. Cube: 196 cubic feet

H. Bill of Materials:

TOP:	87" x 45" x 5/8"	1 Pc.
BASE:	86" x 44 1/4" x 5/8"	1 Pc.
ENDS:	83 1/4" x 45" x 1/2"	2 Pcs.
SIDES:	83 1/4" x 48" x 3/8"	2 Pcs.
SKIDS:	12" x 3" x 4"	6 Pcs.
OTHER:	3/8" x 2 1/2" lag bolt with flat washer - 24 each 5/16" x 3 1/2" lag bolts - 18 each 1 3/4" screw nails - 350 each	

Caulking: All secures and joints sealed with a latex, nonhardening compound prior to assembly.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 144A
- B. Manufacturer: Gurnett Lyons (PB) Company, Limited  
23 Thames Road, Barking  
Essex IG110HT, United Kingdom
- C. Testing Facility: EPS (Research & Development) Limited
- D. Date of Testing: Jul 74
- E. Outer Size: 87"L x 48"W x 83 1/8"H
- F. Tare Weight: 400 lbs
- G. Cube: 201 cubic feet
- H. Bill of Materials:

BASE:	86" x 47 1/4" x 1/2"	Douglas Fir	1 Pcs.
	78 3/4" x 4" x 2"	Softwood	3 Pcs.
	18 1/3" x 4" x 2"	Softwood	4 Pcs.
	47 1/4" x 4" x 2"	Softwood	2 Pcs.
	12" x 36" x 3"	Softwood	6 Pcs.
	18" x 36" x 3"	Softwood	3 Pcs.
SIDES:	86" x 82 1/2" x 3/8"	Douglas Fir	2 Pcs.
	78 3/4" x 4" x 2"	Softwood	2 Pcs.
	75 3/4" x 4" x 2"	Softwood	4 Pcs.
	73 3/4" x 10" x 3/8"	Douglas Fir	2 Pcs.
	29 3/8" x 10" x 3/8"	Douglas Fir	2 Pcs.
	39 3/8" x 10" x 3/8"	Douglas Fir	2 Pcs.
ENDS:	79 1/2" x 48" x 1/2"	Douglas Fir	2 Pcs.
TOP:	.87" x 48" x 1/2"	Douglas Fir	1 Pcs
	47 1/4" x 4" x 2"	Softwood	2 Pcs.

Assembled with 30 coach screws 5/16"

All timbers are nominal

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 145A
- B. Manufacturer: U-Pak Corporation  
810 Jackson Street  
Napa, CA 94558
- C. Testing Facility: Abbot A. Hanks Testing Laboratory
- D. Date of Testing: Oct 74
- E. Outer Size: 87"L x 48"W x 87"H
- F. Tare Weight: 240 lbs.
- G. Cube: 210 cubic feet
- H. Bill of Materials:

BASE:	5/8" x 48" x 87"	Plywood	1 Pc.
	87" x 40 1/4"	Doublewall Filler	
	2" x 4" x 47 15/16"	Lumber	2 Pcs.
	2" x 4" x 79 13/16"	Lumber	3 Pcs.
	2" x 4" x 18 9/16"	Lumber	4 Pcs.
	3" x 4" x 16"	Blocks	9 Pcs.
	1/2" x 3 1/2" x 16"	Fillers	9 Pcs.
DOOR:	2" x 3" x 47 5/16"	Lumber	4 Pcs.
	2" x 3" x 75 15/16"	Lumber	4 Pcs.
	47 1/4" x 80 3/4"	Doublewall Fiber	2 Pcs.
SIDES:	84" x 87"	Doublewall Fiber	2 Pcs.
TOP:	87" x 60"	Triplewall Fiber	1 Pc.
OTHER:	5/16" x 4"	Hex Bolts	18 Pcs.
	3/8" x 2"	Lag Bolts	26 Pcs.
	3/8" x 6"	Bolts	6 Pcs.
		Triwall Nails	150 Pcs.
		8d Coolers	140 Pcs.
	3 1/2"	D. S. Nails	18 Pcs.
	3/8" x 1 1/2"	Lag Bolts	10 Pcs.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 146A
- B. Manufacturer: Global International  
Number One/Global Way  
Anaheim, CA 92803
- C. Testing Facility: Abbot A. Hanks Testing Laboratory
- D. Date of Testing: Jun 74
- E. Outer Size: 96"L x 44"W x 83"H
- F. Tare Weight: 440 lbs
- G. Cube: 203 cubic feet
- H. Bill of Materials:

Plywood to be Exterior Grade:   Top - 5/8" thick  
  Floor - 3/4" thick  
  Door - 5/8" thick  
  Sides - 1/2" thick  
  Back - 1/2" thick

Frame to be 16 gauge metal.  
Skids to be 14 gauge metal.  
9 metal clips

On completion of loading container, caulk all edges of door opening, install door with 9 metal clips.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 146B
- B. Manufacturer: Global International  
Number One/Global Way  
Anaheim, CA 92803
- C. Testing Facility: Abbot A. Hanks Testing Laboratory
- D. Date of Testing: Mar 74
- E. Outer Size: 87 7/8"L x 57 7/8"W x 82 3/4"H
- F. Tare Weight: 549.5 lbs
- G. Cube: 243.5 cubic feet
- H. Bill of Materials:

Metal Frame: To be made of 16 gauge hot rolled PO or cold rolled steel.

BASE: 90" x 58" x 4" angle welded at all corners	1 Pc.
TOP: 90" x 58" x 4" angle welded at all corners	1 Pc.
CORNERS UPRIGHT: 72" x 3" angle	4 Pcs.
SIDE Z BARS: 84" x 2 1/4" x 1/2" x 2 1/4"	2 Pcs.
TOP OF DOOR FRAME: 56 3/4" x 3 3/4" x 3 3/4" angle	1 Pc.
BOTTOM OF DOOR FRAME: 48" x 2" x 3/4" x 2"	1 Pc.
SIDES DOOR FRAME: 72" x 1 3/4" x 3/4" x 1 3/4"	2 Pcs.

SKIDS: To be made of 13 gauge hot rolled PO or cold rolled steel. 57 1/2" x 3" x 8"	3 Pcs.
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LATCHES: To be made of 8 gauge cold rolled steel.	7 Pcs.
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Plywood: To be 5 ply Fir CDX grade or better.

FLOOR:	89" x 56 1/2" x 3/4"	1 Pc.
TOP:	89 3/4" x 57 3/4" x 5/8"	1 Pc.
BACK:	79" x 57 1/2" x 1/2"	1 Pc.
SIDES:	89" x 39 5/8" x 1/2"	4 Pcs.
FRONT UPRIGHTS:	79" x 5" x 3/4"	2 Pcs.
DOOR:	79" x 48" x 5/8"	1 Pc.

## MTMC Approval No: 146B (Continued)

Bolts Hexhead	1/4" x 20" x 1"	7 Pcs.
Machine Screws, R.H.	1/4" x 20" x 1/2"	136 Pcs.
Machine Screws, R.H.	1/4" x 20" x 5/8"	54 Pcs.
Machine Screws, R.H.	1/4" x 20" x 3/4"	32 Pcs.
Machine Screws, R.H.	3/8" x 16" x 3/4"	36 Pcs.
Nuts, Hex	1/4" x 20"	4 Pcs.
T-Nuts	1/4" x 20"	229 Pcs.
T-Nuts	3/8" x 16"	36 Pcs.
Lock Washer	1/4"	4 Pcs.
17 Ft. Neoprene gasket		
Butyl flex caulking compound		



COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 147A
- B. Manufacturer: Crown Pacific Limited  
252 Yamashita-Cho  
Naka Ku, Yokohama 231, Japan
- C. Testing Facility: International Inspection Company, Limited
- D. Date of Testing: Aug 74
- E. Outer Size: 87 3/4"L x 48"W x 79 1/4"H
- F. Tare Weight: 440.9 lbs
- G. Cube: 193.6 cubic feet
- H. Bill of Materials:

SKID:	11 3/4" x 4 3/4" x 2 3/8"	1st grade pine	6 Pcs.
FRAME:	3 1/2" x 1 1/2" x 79 7/8"	1st grade pine	2 Pcs.
	3 1/2" x 1 1/2" x 47 3/8"	1st grade pine	2 Pcs.
	3 1/2" x 1 1/2" x 40 1/4"	1st grade pine	3 Pcs.
FLOOR:	47 3/8" x 79 7/8" x 1/2"	lauan plywood, Type II, waterproof	1 Pc.
SIDE:	38 7/8" x 78 3/4" x 3/8"		2 Pcs.
	48" x 78 3/4" x 3/8"		2 Pcs.
SPLICE:	8 3/4" x 73 3/8"		2 Pcs.
FRAME:	3 1/2" x 1 1/2" x 73"		4 Pcs.
	3 1/2" x 1 1/2" x 83 3/4"		2 Pcs.
DOOR:	48" x 78 3/4" x 3/8"		1 Pc.
RACK:	48" x 78 3/4" x 3/8"		1 Pc.
TOP:	48" x 87 1/2" x 3/8"		1 Pc.
FRAME:	3 1/2" x 1 1/2" x 47"		2 Pcs.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 148A
- B. Manufacturer: Precision Wood Products, Incorporated  
P.O. Box 529  
Vancouver, WA 98660
- C. Testing Facility: International Inspection Company, Limited
- D. Date of Testing: Aug 74
- E. Outer Size: 48"L x 79 1/2"W x 87"H
- F. Tare Weight: 440 lbs
- G. Cube: 193.6 cubic feet
- H. Bill of Materials:

SIDES:	3/8" x 43 1/2" x 79 1/4"	Plywood	4 Pcs.
	2" x 4" x 86"	Plywood	2 Pcs.
	2" x 4" x 73 5/8"	Plywood	4 Pcs.
	1" x 4" x 73 5/8"	Plywood	2 Pcs.
ENDS:	1/2" x 47 1/4" x 79 1/4"	Plywood	2 Pcs.
BOTTOM:	5/8" x 47 1/4" x 86"	Plywood	1 Pc.
	2" x 4" x 47"	Plywood	2 Pcs.
	4" x 4" x 16"	Plywood	9 Pcs.
	2" x 4" x 79"	Plywood	2 Pcs.
	2" x 4" x 18 1/4"	Plywood	4 Pcs.
TOP:	5/8" x 48" x 87"	Plywood	1 Pcs.
	2" x 4" x 47 1/4"	Plywood	2 Pcs.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 148B
- B. Manufacturer: Precision Wood Products, Incorporated  
P.O. Box 529  
Vancouver, WA 98660
- C. Testing Facility: Abbot A. Hanks Testing Laboratory
- D. Date of Testing: Jan 76
- E. Outer Size: 120"L x 48"W x 96"H
- F. Tare Weight: 800 lbs
- G. Cube: 320 cubic feet
- H. Bill of Materials:

BASE:	4" x 4" x 30"	Oak block	6 Pcs.
	4" x 4" x 20"	Oak block	3 Pcs.
	2" x 6" x 47"	Fir end plate	2 Pcs.
	2" x 6" x 104 1/2"	Fir floor support	3 Pcs.
	47" x 115 1/2" x 3/4"	CCXT PTS plywood floor	1 Pc.
SIDES:	2" x 3" x 112 13/16"	Fir roof support	2 Pcs.
	60" x 91 7/8" x 1/2"	CCX, PTS plywood	2 Pcs.
END:	2" x 3" x 87 1/2"	Fir corner support	2 Pcs.
	2" x 3" x 47"	Fir roof support	1 Pc.
	47" x 91 7/8" x 1/2"	CCX, PTS plywood	1 Pc.
TOP:	48" x 120" x 5/8"	CCX, PTS plywood	1 Pc.
DOOR:	44 1/8" x 89" x 1"	CCX, PTS plywood	1 Pc.
DOOR FRAME:	2 1/4" x 3"	Fir, dadoed for flush mount	
HARDWARE:	1" x 9" x 9"	Steel corner reinforcement	4 Pcs.
		Steel hinge and latch assembly	4 Pcs.
		Steel drop-ring grab handles	2 Pcs.
WEATHER STRIPPING: Inside - 5/16" x 1" Sponge type			
Outside - 1/2" diameter bead type			

MTMC Approval No: 148B (Continued)

**BOLTING PATTERN:**

**BASE:** 3/8" carriage bolts w/torque washers bolted through entire base assembly. Secured with recessed Die-nut. Three bolts per 30" block, two bolts per 20" blocks.

**FRAME:** Corner plates and hinge plates to be bolted completely through door frame and secured with Tee-Nuts. Bolts to be 3/8" hex head.

**LATCH & HANDLES:** 3/8" hex head bolts to be secured into plywood door by use of threaded heli-coils.

**NAILING PATTERNS:** Ends, sides, top and door frame to be attached to supporting structures with 2" D.S. nails 3 in 0.C.

**GLUING INSTRUCTIONS:** Ends, sides, top to be glued to all support structures with a full length bead of plywood construction adhesive.

**EXTERIOR FINISH:** All seams, where plywood panels meet, to be covered with fiberglass. Coverage to extend a minimum of 1 1/2" on each panel member.

Upon completion, each container will receive a protective coating of Polyurethane. This coating to be applied to a minimum dry thickness of 3 mils.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 148C
- B. Manufacturer: Precision Wood Products, Incorporated  
P.O. Box 529  
Vancouver, WA 98660
- C. Testing Facility: Abbot A. Hanks Testing Laboratory
- D. Date of Testing: Jan 76
- E. Outer Size: 60"L x 48"W x 96"H
- F. Tare Weight: 460 lbs
- G. Cube: 160 cubic feet
- H. Bill of Materials:

BASE:	4" x 4" x 12"	Oak block	6 Pcs.
	4" x 4" x 6"	Oak block	3 Pcs.
	3" x 6" x 47"	Fir end plate	2 Pcs.
	2" x 6" x 45"	Fir floor support	3 Pcs.
	47" x 55 3/4" x 3/4"	CCX, PTS plywood floor	1 Pc.
SIDES:	2" x 3" x 52 13/16"	Fir roof support	2 Pcs.
	60" x 91 7/8" x 1/2"	CCX PTS plywood	2 Pcs.
END:	2" x 3" x 87 1/2"	Fir corner support	2 Pcs.
	2" x 3" x 47"	Fir roof support	1 Pc.
	47" x 91 7/8" x 1/2"	CCX, PTS plywood	1 Pc.
TOP:	48" x 60" x 5/8"	CCX, PTS plywood	1 Pc.
DOOR:	44 1/8" x 89" x 1"	CCX, PTS plywood	1 Pc.
DOOR FRAME:	2 1/4" x 3"	Fir, dadoed for flush mount	
HARDWARE:	1" x 9" x 9"	Steel corner reinforcement	4 Pcs.
		Steel hinge and latch assembly	4 Pcs.
		Steel drop-ring grab handles	2 Pcs.
WEATHER STRIPPING:	Inside - 5/16" x 1" Sponge type		
	Outside - 1/2" diameter bead type		

MTMC Approval No: 148C (Continued)

**BOLTING PATTERN:**

BASE: 3/8" carriage bolts w/torque washers bolted through entire base assembly. Secure with recessed Die-Nut. Two bolts per block.

DOOR FRAME: Corner plates and hinge plates to be bolted completely through door frame and secured with Tee-Nuts. Bolts to be 3/8" hex head.

LATCH & HANDLES: 3/8" hex head to be secured into plywood door by use of threaded helo-coils.

GLUING INSTRUCTIONS: Ends, sides, top to be glued to all support structures with a full length bead of plywood construction adhesive.

NAILING PATTERN: Ends, sides, top and door frame to be attached to structures with 2" D.S. nails 3 in O.C.

EXTERIOR FINISH: All seams, where plywood panels meet, to be covered with fiberglass. Coverage to extend a minimum of 1 1/2" on each panel member.

Upon completion, each container will receive a protective coating of Polyurethane. This coating to be applied to a minimum dry thickness of 3 mils.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 148D
- B. Manufacturer: Precision Wood Products, Incorporated  
P.O. Box 529  
Vancouver, WA 98660
- C. Testing Facility: Abbot A. Hanks Testing Laboratory
- D. Date of Testing: Jan 76
- E. Outer Size: 60"L x 48"W x 48"H
- F. Tare Weight: 320 lbs
- G. Cube: 80 cubic feet
- H. Bill of Materials:

BASE:	4" x 4" x 12"	Oak block	6 Pcs.
	4" x 4" x 6"	Oak block	3 Pcs.
	2" x 6" x 47"	Fir end plate	2 Pcs.
	2" x 6" x 45"	Fir floor support	3 Pcs.
	47" x 55 3/4" x 3/4"	CCXI PTS plywood floor	1 Pc.
SIDES:	2" x 3" x 52 13/16"	Fir roof support	2 Pcs.
	60" x 43 7/8" x 1/2"	CCXI PTS plywood	2 Pcs.
END:	2" x 3" x 43 7/8"	Fir corner support	2 Pcs.
	2" x 3" x 47"	Fir roof support	1 Pc.
	47" x 13 7/8" x 1/2"	CCXR PTS plywood	1 Pc.
TOP:	48" x 60" x 5/8"	CCXI PTS plywood	1 Pc.
DOOR:	44 1/8" x 41" x 1"	CCXF PTS plywood	1 Pc.
DOOR FRAME:	2 1/4" x 3"	Fir, dadoed for flush mount	
HARDWARE:	1" x 9" x 9" Steel corner reinforcement		4 Pcs.
	Steel hinge and latch assembly		4 Pcs.
	Steel drop-ring grab handles		2 Pcs.
WEATHER STRIPPING:	Inside - 5/16" x 1" Sponge type		
	Outside - 1/2" Diameter bead type		

MTMC Approval No: 148D (Continued)

**BOLTING PATTERN:**

BASE: 3/8" carriage bolts w/torque washers bolted through entire base assembly. Secure with recessed Die-Nut. Two bolts per block.

DOOR FRAME: Corner plates and hinge plates to be bolted completely through door frame and secured with Tee-Nuts. Bolts to be 3/8" hex head.

LATCH & HANDLES: 3/8" hex head to be secured into plywood door by use of threaded helicons.

GLUING INSTRUCTIONS: Ends, sides, top to be glued to all support structures with a full length bead of plywood construction adhesive. I

NAILING PATTERN: Ends, sides, top, door frame to be attached to support structures with 2" D.S. nails 3 to O.C.

EXTERIOR FINISH: All seams, where plywood panels meet, to be covered with fiberglass. Coverage to extend a minimum of 1 1/2" on each panel member.

Upon completion, each container will receive a protective coating of Polyurethane. This coating to be applied to a minimum dry thickness of 3 mils.



COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 149A
- B. Manufacturer: Karevan, Incorporated  
P.O. Box 15526  
Santa Ana, CA 92705
- C. Testing Facility: Abbot A. Hanks Testing Laboratory
- D. Date of Testing: Nov 74
- E. Outer Size: 87 1/2"L x 48"W x 87"H
- F. Tare Weight: 420 lbs
- G. Cube: 211.5 cubic feet
- H. Bill of Materials:

NOTE: THIS CONTAINER HAS BEEN DISCONTINUED BY THE  
MANUFACTURER. SOME CONTAINERS MAY BE IN USE AND ARE  
ACCEPTABLE IF IN GOOD CONDITION.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 150A
- B. Manufacturer: Port Transport, Incorporated  
Santa Ana, CA 92707
- C. Testing Facility: Abbot A. Hanks Testing Laboratory
- D. Date of Testing: Nov 74
- E. Outer Size: 87.5"L x 48"W x 87"H
- F. Tare weight: 420 lbs
- G. Cube: 211.5 cubic feet
- H. Bill of Materials:

PALLETS:	14" x 3 1/8" x 3 1/2"		9 Pcs.
BASE:	2" x 4" x 87"		2 Pcs.
	2" x 4" x 80"		1 Pc.
	2" x 4" x 41"		2 Pcs.
BOTTOM:	48" x 87" x 3/4"	Plywood	1 Pc.
	2" x 4" x 47"	Plywood	2 Pcs.
	3" x 40"	Metal Door Stop	1 Pc.
TOP:	48" x 87" x 5/8"	Plywood	1 Pc.
	2" x 4" x 81 1/2"	Lumber	2 Pcs.
	2" x 6" x 47"	Lumber	1 Pc.
	2" x 4" x 47"	Lumber	1 Pc.
	3 1/4" x 43"	Metal Plate	1 Pc.
	3 1/4" x 80"	Metal Door Strips	2 Pcs.
FRONT:	48" x 87" x 1/2"	Plywood	1 Pc.
REAR:	48" x 87" x 1/2"	Plywood	1 Pc.
DOOR:	39 7/8" x 78" x 1/2"	Plywood	1 Pc.
SIDES:	87" x 87" x 1/2"	Plywood	2 Pcs.
	2" x 4" x 81"	Brace	4 Pcs.
	2" x 4" x 86"	HDR	2 Pcs.
OTHER:	1 1/4"	Clinch Staple	72 Pcs.
	16D Nails		
	5/16" x 3"	Lag Bolts	2 Pcs.

COMMERCIAL SHIPPING CONTAINERS

A. MTMC Approval No: 151A

B. Manufacturer: Arbi Container Company  
P.O. Box 3588  
Jackson, MS 39207

C. Testing Facility: Environmental Testing and Consulting, Inc.

D. Date of Testing: Dec 74

E. Outer Size: 87"L x 45"W x 82"H

F. Tare Weight: 385 lbs

G. Cube: 185 cubic feet

H. Bill of Materials:

BASE:	5/8" x 86" x 44 1/4"	Plywood	1 Pc.
	2" x 4" x 44 1/4"	Lumber	2 Pcs.
	2" x 4" x 78 3/4"	Lumber	2 Pcs.
	2" x 4" x 37"	Lumber	3 Pcs.
SKIDS:	2" x 4" x 12"	Lumber	12 Pcs.
SIDES:	3/8" x 77 3/4" x 48"	Plywood	2 Pcs.
	3/8" x 77 3/4" x 38"	Plywood	2 Pcs.
	2" x 4" x 72"	Lumber	4 Pcs.
	2" x 4" x 82 3/4"	Lumber	2 Pcs.
	3/4" x 72" x 5"	Plywood	2 Pcs.
ENDS:	1/2" x 77 3/4" x 45"	Plywood	2 Pcs.
	2" x 4" x 44 1/4"	Lumber	4 Pcs.
TOP:	5/8" x 87" x 45"	Plywood	1 Pc.
OTHER:	3/8" x 3"	Lag bolts	28 Ea.
	5/16 x 5"	Bolts	12 Ea.

COMMERCIAL SHIPPING CONTAINERS

A. MTMC Approval No: 151B

B. Manufacturer: Arbi Container Company  
P.O. Box 3588  
Jackson, MS 39207

C. Testing Facility: Environmental Testing and Consulting, Inc.

D. Date of Testing: Dec 74

E. Outer Size: 87"L x 45"W x 82"H

F. Tare Weight: 400 lbs

G. Cube: 198 cubic feet

H. Bill of Materials:

BASE:	5/8" x 86" x 47 1/4"	Plywood	1 Pc.
	2" x 4" x 47 1/4"	Lumber	2 Pcs.
	2" x 4" x 78 3/4"	Lumber	2 Pcs.
	2" x 4" x 40"	Lumber	3 Pcs.
SKIDS:	2" x 4" x 12"	Lumber	12 Pcs.
SIDES:	3/8" x 77 3/4" x 48"	Plywood	2 Pcs.
	3/8" x 77 3/4" x 38"	Plywood	2 Pcs.
	2" x 4" x 72"	Lumber	4 Pcs.
	2" x 4" x 82 3/4"	Lumber	2 Pcs.
	3/4" x 72" x 5"	Plywood	2 Pcs.
ENDS:	1/2" x 77 3/4" x 48"	Plywood	2 Pcs.
	2" x 4" x 47 1/4"	Plywood	4 Pcs.
TOPS:	5/8" x 87" x 48"	Plywood	1 Pc.
OTHER:	3/8" x 3"	Lag Bolt	28 Ea.
	5/16" x 5"	Bolt	12 Ea.

COMMERCIAL SHIPPING CONTAINERS

A. MTMC Approval No: 151C

B. Manufacturer: Arbi Container Company  
P.O. Box 3588  
Jackson, MS 39207

C. Testing Facility: Environmental Testing & Consulting, Inc.

D. Date of Testing: Dec 74

E. Outer Size: 87"L x 48"W x 87"H

F. Tare Weight: 415 lbs

G. Cube: 210 cubic feet

H. Bill of Materials:

BASE:	5/8" x 86" x 47 1/4"	Plywood	1 Pc.
	2" x 4" x 47 1/4"	Lumber	2 Pcs.
	2" x 4" x 78 3/4"	Lumber	2 Pcs.
	2" x 4" x 40"	Lumber	3 Pcs.
SKIDS:	2" x 4" x 12"	Lumber	12 Pcs.
SIDES:	3/8" x 83 1/4" x 48"	Plywood	2 Pcs.
	3/8" x 83 1/4" x 38"	Plywood	2 Pcs.
	2" x 4" x 77 1/4"	Lumber	4 Pcs.
	2" x 4" x 82 3/4"	Lumber	2 Pcs.
	3/4" x 77" x 5"	Plywood	2 Pcs.
ENDS:	1/2" x 83 1/4" x 48"	Plywood	2 Pcs.
	2" x 4" x 47 1/4"	Lumber	4 Pcs.
TOP:	5/8" x 87" x 48"	Plywood	1 Pc.
OTHER:	3/8" x 3"	Lag Bolt	28 Ea.
	5/16" x 5"	Bolt	12 Ea.

COMMERCIAL SHIPPING CONTAINERS

A. MTMC Approval No: 151D

B. Manufacturer: Arbi Container Company  
P.O. Box 3588  
Jackson, MS 39207

C. Testing Facility: Enviromental Testing & Consulting, Inc.

D. Date of Testing: Dec 74

E. Outer Size: 86"L x 46 1/4"W x 87 1/4"H

F. Tare Weight: 405 lbs

G. Cube: 206 cubic feet

H. Bill of Materials:

BASE:	5/8" x 86" x 46 1/4"	Plywood	1 Pc.
	2" x 4" x 46 1/4"	Lumber	2 Pcs.
	2" x 4" x 78 3/4"	Lumber	2 Pcs.
	2" x 4" x 39"	Lumber	3 Pcs.
SKIDS:	2" x 4" x 12"	Lumber	12 Pcs.
SIDES:	3/8" x 83 1/4" x 48"	Plywood	2 Pcs.
	3/8" x 83 1/4" x 38"	Plywood	2 Pcs.
	2" x 4" x 77 1/4"	Lumber	4 Pcs.
	2" x 4" x 82 3/4"	Lumber	2 Pcs.
	3/4" x 5" x 77"	Plywood	2 Pcs.
ENDS:	1/2" x 83 1/4" x 47"	Plywood	2 Pcs.
	2" x 4" x 46 1/4"	Lumber	4 Pcs.
TOP:	5/8" x 87" x 47"	Plywood	1 Pc.
OTHER:	3/8" x 3"	Lag Bolt	
	5/16" x 5"	Bolt	

COMMERCIAL SHIPPING CONTAINERS

A. MTMC Approval No: 151E

B. Manufacturer: Arbi Container Company  
P.O. Box 3588  
Jackson, MS 39207

C. Testing Facility: N/A

D. Date of Testing: N/A

E. Outer Size: 87"L x 45"W x 87"H

F. Tare Weight: 405 lbs

G. Cube: 197 cubic feet

H. Bill of Materials:

BASE:	5/8" x 86" x 44 1/4"	Plywood	1 Pc.
	2" x 4" x 44 1/4"	Lumber	2 Pcs.
	2" x 4" x 78 3/4"	Lumber	2 Pcs.
	2" x 4" x 39"	Lumber	3 Pcs.
SKIDS:	2" x 4" x 12"	Lumber	12 Pcs.
SIDES:	3/8" x 83 1/4" x 48"	Plywood	2 Pcs.
	3/8" x 83 1/4" x 38"	Plywood	2 Pcs.
	2" x 4" x 77 1/4"	Lumber	4 Pcs.
	2" x 4" x 82 3/4"	Lumber	2 Pcs.
	3/4" x 5" x 77"	Plywood	2 Pcs.
ENDS:	1/2" x 83 1/4" x 45"	Plywood	2 Pcs.
	2" x 4" x 44 1/4"	Lumber	4 Pcs.
TOP:	5/8" x 87" x 45"	Plywood	1 Pc.
OTHER:	3/8" x 3"	Lag Bolt w/Flat Washer	28 Pcs.
	5/16" x 5"	Carriage Bolt	12 Pcs.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 151F
- B. Manufacturer: Arbi Container Company  
P.O. Box 3588  
Jackson, MS 39207
- C. Testing Facility: Froehling & Robertson, Incorporated
- D. Date of Testing: Oct 80
- E. Outer Size: 86 3/4"L x 45"W x 86 1/2"H
- F. Tare Weight: 364 lbs
- G. Cube: 195 cubic feet
- H. Bill of Materials:

BASE:	1/2" x 86" x 44 1/4"	Plywood	1 Pc.
	2" x 4" x 44 1/4"	Lumber	2 Pcs.
	2" x 4" x 78 3/4"	Lumber	2 Pcs.
	2" x 4" x 37"	Lumber	3 Pcs.

Plywood panel is attached to 2" x 4" framing with 3/8" crown 2 1/8" long 15 gauge c.c. staples in a staggered pattern 4" on center. Plywood panels are joined in center with 3/4" x 77 1/4" x 5" spliced plywood and 3/8" crown - 1 1/4" long 16 gauge c.c. staples 4" on center.

ENDS:	3/8" x 83" x 45"	Plywood	2 Pcs.
	2" x 4" x 44 1/4"	Lumber	2 Pcs.
TOP:	3/8" x 86 3/4" x 45"	Plywood	1 Pc.
OTHER:	10" x 1" screw w/hex head & washer		16 Pcs.

All joints and seams will be caulked with a nonhardening caulking compound at time of assembly.



COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 151G
- B. Manufacturer: Arbi Container Company  
P.O. Box 3588  
Jackson, MS 39207
- C. Testing Facility: Froehling & Robertson, Incorporated
- D. Date of Testing: Aug 84
- E. Outer Size: 85"L x 45"W x 86 5/8"H
- F. Tare Weight: 360 lbs
- G. Cube: 192 cubic feet
- H. Bill of Materials:

TOP:	85" x 45" x 3/8"		1 Pc.
BASE:	84 1/4" x 44 1/4" x 1/2"	Plywood	1 pc.
ENDS:	83 1/4"x 45"x 3/8"	Plywood	2 Pcs.
SIDES:	83 1/4" x 42 1/8" x 3/8"	Plywood	2 Pcs.

SKIDS: Extend post ends and sides on base 1/8", 2" x 4" skids are nailed onto base independently using 5 each 16d c.c. sinker or cooler nails.

OTHER: Sides are attached to base with 8d c.c. sinker or cooler nails, 6" on center. Headers are placed between sides in notches at top corners and attached with 2 each 8d nails at each end. All joints and seams will be caulked with a nonhardening caulking compound at time of assembly.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No. 151H
- B. Manufacturer: Arbi Container Company  
P.O. Box 3588  
Jackson, MS 39207
- C. Testing Facility: Froehling & Robertson, Incorporated
- D. Date of Testing: Aug 84
- E. Outer Size: 85"L x 45"W x 87"H
- F. Tare Weight: 405 lbs.
- G. Cube: 193 cubic feet
- H. Bill of Materials:

TOP:	85" x 45" x 1/2"	Plywood	1 Pc.
BASE:	84" x 44" x 5/8"	Plywood	1 Pc.
ENDS:	83 1/4" x 45" x 1/2"	Plywood	2 Pcs.
SIDES:	83 1/4" x 42" x 1/2"	Plywood	2 Pcs.

SKIDS: Extend post ends and sides of base 3/8", 2" x 4" skids are nailed onto base independently using 5 each 16d c.c. sinker or cooler nails.

OTHER: Sides are attached to base with 8d c.c. sinker or cooler nails 6" on center. Headers are placed between sides in notches at top corners and attached with 2 each 8d nails at each end. All joints and seams will be caulked with a nonhardening caulking compound at time of assembly.

COMMERCIAL SHIPPING CONTAINERS

A. MTMC Approval No: 151J

B. Manufacturers: Arbi Container Company  
P.O. Box 3588  
Jackson, MS 39207

C. Testing Facility: N/A

D. Date of Testing: N/A

E. Outer Size: 86 3/4"L x 47"W x 86 3/4"H

F. Tare Weight: 364 lbs

G. Cube: 205 cubic feet

H. Bill of Materials:

TOP:	3/8" x 86 3/4" x 47"	CDX Plywood	1 Pc.
BASE:	1/2" x 86" x 46 1/4"	CDX Plywood	1 Pc.
	2" x 4" x 46 1/4"	Lumber	2 Pcs.
	2" x 4" x 78 3/4"	Lumber	2 Pcs.
	2" x 4" x 39"	Lumber	3 Pcs.
ENDS:	3/8" x 83" x 47"	CDX Plywood	2 Pcs.
SIDES:	3/8" x 83" x 43"	CDX Plywood	4 Pcs.
	2" x 4" x 77 3/8"	Lumber	4 Pcs.
	2" x 4" x 82 7/8"	Lumber	2 Pcs.
	3/4" x 5" x 77 1/4"	Plywood	2 Pcs.
SKIDS:	2" x 4" x 12"	Lumber	12 Blocks

OTHER: Assembly Instructions: Sides are attached to base with 8d c.c. sinker or cooler nails 6" on center. Headers are placed between sides in notches at top corners and attached with 2 each 8d nails at each end. The top panel is attached to the headers and horizontal side frame member with 8d c.c. sinkers or coolers 6" on center. End is attached to header, vertical side framing members, and base frame with 8d c.c. sinkers or coolers 6" on center. Door is attached to header, vertical side framing members and base frame with 16 each 10" x 1" hexwasher "A" slot s/ms zinc plated screws. All joints and seams will be caulked with a nonhardening caulking compound.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 152A
- B. Manufacturer: Container Systems, Incorporated  
Highway 56 East  
P.O. Box 519  
Franklinton, NC 27525
- C. Testing Facility: General Environment Corporation
- D. Date of Testing: Feb 75
- E. Outer Size: 87"L x 47"W x 87"H
- F. Tare Weight: 460 lbs
- G. Cube: 205 cubic feet
- H. Bill of Materials:

SIDES:	86" x 86 3/8" x 1/2"	Plywood
ENDS:	47" x 84" x 1/2"	Plywood
TOP:	87" x 47" x 1/2"	Plywood
BASE:	86" x 46 1/4" x 1/2"	Plywood
SUPPORTS:	2" x 4"	Lumber
SKIDS:	12" x 3" x 4"	Lumber

Assembled with lag screws 2" x 1 1/4"

COMMERICAL SHIPPING CONTAINERS

- A. MTMC Approval No: 152A-1
- B. Manufacturer: Container Systems, Inc.  
Highway 56 East  
P.O. Box 519  
Franklinton, NC 27525
- C. Testing Facility: Herron Testing Laboratories, Inc.
- D. Date of Testing: Oct 92
- E. Outer Size: 87"L x 47"W x 87"H
- F. Tare Weight: 450 LBS
- G. Exterior Cube: 206 Cubic Feet
- H. Bill of Materials:

BASE:	86 1/4" x 46 1/4" x 1/2"	Plywood	1 Pc.
SKIDS:	2" x 4" x 12"	Lumber	9 Pcs.
	1/2" x 3 1/2" x 12"	Plywood	9 Pcs.
TOP:	2" x 4" x 46 1/8"	Lumber	3 Pcs.
SIDES:	3/8" x 43 1/8" x 83 3/4"	Plywood	4 Pcs.
ENDS:	3/8" x 47" x 83 3/4"	Plywood	2 Pcs.
RUBBING STRIPS:	1" x 4" x 87"	Lumber	3 Pcs.
CARRIAGE BOLTS:	3/8" x 4 1/2"		9 Pcs.
SAE FLAT WASHER:	3/8"		9 Pcs.
HEX NUT:	3/8"		9 Pcs.

ASSEMBLY INSTRUCTIONS: Place the base on the floor with plywood facing upwards. Place the sides upright on base so that plywood overlaps the base, and the upright 2 x 4 vertical support is on plywood portion of the base. Place the top in position and this will give stability to the container so that the sides can then be nailed or stapled to base and the top nailed or stapled to the sides, place the end in place, and nail or staple it to the base, sides, and top. Place the door in place and secure it to the base, sides, and top.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 152B
- B. Manufacturer: Container Systems, Incorporated  
Highway 56 East  
P.O. Box 519  
Franklinton, NC 27525
- C. Testing Facility: General Environments Corporation
- D. Date of Testing: Feb 75
- E. Outer Size: 88"L x 59"W x 88"H
- F. Tare Weight: 525 lbs
- G. Cube: 265 cubic feet
- H. Bill of Materials:

NOTE: THIS CONTAINER HAS BEEN DISCONTINUED BY THE MANUFACTURER. SOME CONTAINERS MAY BE IN USE AND ARE ACCEPTABLE IF IN SOUND CONDITION. A FURTHER BILL OF MATERIALS IS NOT AVAILABLE.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 152C
- B. Manufacturer: Container Systems, Inc.  
Highway 56 East  
P.O. Box 519  
Franklinton, NC 27525
- C. Testing Facility: Herron Testing Laboratories, Inc.
- D. Date of Testing: Sep 92
- E. Outer Size: 87"L x 47"W x 87"H
- F. Tare Weight: 450 LBS
- G. Exterior Cube: 206 Cubic Feet
- H. Bill of Materials:

BASE:	5/8" x 44 3/4" x 84 3/4"	Plywood	1 Pc.
	2" x 4" x 44 3/4"	Lumber	2 Pcs.
	2" x 4" x 77 3/4"	Lumber	3 Pcs.
	2" x 4" x 17"	Lumber	4 Pcs.
	3" x 4" x 16"	Lumber	3 Pcs.
	3" x 4" x 20"	Lumber	6 Pcs.
	1" x 4" x 87"	Lumber	3 Pcs.

HARDWARE FOR BASE:

2 1/2"	Screw Nail	As Required
3/8" x 5"	Carriage Bolt	9 Pcs.
3/8"	Hex Nut	9 Pcs.
3/8"	SAE Flat Washer	9 Pcs.

TOP:	5/8" x 47" x 87"	Plywood	1 Pc.
	2" x 4" x 44 1/2"	Lumber	3 Pcs.

HARDWARE FOR TOP:	2 1/2"	Screw Nail	As Required
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END:	3/8" x 44 3/4" x 83 1/8"	Plywood	2 Pcs.
	1" x 4" x 83 1/8"	Lumber	4 Pcs.
	1" x 4" x 37 3/4"	Lumber	4 Pcs.
	1" x 4" x 76 1/8"	Lumber	2 Pcs.

MTMC Approval No: 152C (Continued)

HARDWARE FOR ENDS: 1"	DP Staple	As Required
SIDES: 3/8" x 48" x 83 1/8"	Plywood	1 Pc.
3/8" x 39" x 83 1/8"	Plywood	1 Pc.
1" x 4" x 87"	Lumber	4 Pcs.
1" x 4" x 76 1/8"	Lumber	8 Pcs.
2" x 4" x 84 5/8"	Lumber	2 Pcs.
2" x 4" x 75 13/16"	Lumber	4 Pcs.
HARDWARE FOR SIDES: 1"	DP Staple	As Required

**CAULKING:** All seams must be caulked during the assembly. Process using dow corning 100% silicon caulking.

**ASSEMBLY INSTRUCTIONS:** Place the base on the floor with the plywood facing upwards. Place one side upright on the base so that the side overlaps the base, and the 2x4 vertical supports rest on the plywood portion of the base. Nail the bottom edge of the side into the 2x4 framing of the base. Place one end in the upright position so that the end overlaps the base and the side overlaps the end. Nail the end to the base and the 2x4 vertical support on the side. Assemble other side same as above. Place the top in position and nail sides and end to it. Assemble door, nail to sides and top.



COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 153A
- B. Manufacturer: Thru Container Services, Incorporated  
157 Yamashita Cho, Nakaicu  
Yokohoma, Japan
- C. Testing Facility: Abbot A. Hanks Testing Laboratory
- D. Date of Testing: Mar 75
- E. Outer Size: 87"L x 48"W x 81 3/4"H
- F. Tare Weight: 490 lbs
- G. Cube: 197.5 cubic feet
- H. Bill of Materials:

TOP:	87" x 48" x 5/8" 47" x 3" x 2 1/21"	Plywood Wooden Braces	1 Pc. 2 Pcs.
FLOOR:	86" x 47" x 3/4" 47" x 3" x 1 1/2" 19" x 3" x 1 1/2" 86" x 3" x 1 1/2"	Plywood Braces Braces Braces	1 Pc. 2 Pcs. 4 Pcs. 2 Pcs.
SIDES:	77 5/8" x 43" x 1/2" 74 7/8" x 3" x 1 1/2" 80" x 3" x 1 1/2"	Plywood Braces Braces	4 Pcs. 4 Pcs. 2 Pcs.
BACK PANELS:	77 5/8" x 47" x 1/2"	Plywood	2 Pcs.
SKIDS:	12" x 3 1/2" x 3 1/2"	Lumber	6 Pcs.
OTHER:	Nails - 16d Nails - 20d Staples - 1 1/2" Shank" Lag Bolts - 3" x 3/8" Lag Bolts - 2" x 3/8"		150 Pcs. 54 Pcs.  26 Pcs. 8 Pcs.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 154A
- B. Manufacturer: F.S. Turner & Co. (Packaging) Limited  
Brokenford Lane Totter  
Southampton, England
- C. Testing Facility: EPS (R&D) LTD
- D. Date of Testing: Aug 73
- E. Outer Size: 96"L x 45W" x 83 1/2"H
- F. Tare Weight: 448 lbs
- G. Cube: 209 cubic feet
- H. Bill of Materials:

SIDES:	88" x 48" x 3/8"	Plywood	4 Pcs.
	1 3/4" x 3 3/4" x 76 1/4"	Lumber	4 Pcs.
	1 3/4" x 3 3/4" x 95"	Lumber	2 Pcs.
	3/8" x 5 1/2" x 72 1/2"	Lumber	2 Pcs.
	1 1/4" x 3 3/4" x 87 1/2"	Lumber	2 Pcs.
BOTTOM:	95" x 42 1/4" x 5/8"	Plywood	1 Pc.
	3 3/4" x 42 1/4" x 1 3/4"	Lumber	2 Pcs.
	3 3/4" x 15 1/2" x 1 3/4"	Lumber	4 Pcs.
	3 3/4" x 87 1/2" x 1 3/4"	Lumber	3 Pcs.
	3 3/4" x 15" x 3"	Blocks	9 Pcs.
TOP:	5/8" x 96" x 45"	Plywood	1 Pc.
	3 3/4" x 1 3/4" x 44 1/4"	Lumber	2 Pcs.
ENDS:	1/2" x 80" x 44 1/4"	Plywood	2 Pcs.
	2" x 4" x 40 3/4"	Lumber	4 Pcs.
OTHER:	3/8" x 3"	Lag Screws	
	1" Steel Bands		

COMMERCIAL SHIPPING CONTAINERS

A. MTMC Approval No: 155A

B. Manufacturer: Tanaka Container Manufacturing Company  
618 Shimashi, Ginowan City  
Okinawa

C. Testing Facility: Abbot A. Hanks Testing Laboratory

D. Date of Testing: Jan 75

E. Outer Size: 87"L x 48"W x 82"H

F. Tare Weight: 535 lbs

G. Cube: 196 cubic feet

H. Bill of Materials:

TOP:	5/8" x 48" x 87"	Plywood	1 Pc.
	2" x 4" x 47 1/4"	Plywood	2 Pcs.
BOTTOM:	5/8" x 47 1/4" x 86"	Plywood	1 Pc.
	2" x 4" x 78 3/4"	Braces	3 Pcs.
	2" x 4" x 47 1/4"	Braces	2 Pcs.
	2" x 4" x 18 1/4"	Braces	4 Pcs.
ENDS:	1/2" x 47 1/4" x 78 3/8"	Plywood	2 Pcs.
SIDES:	3/8" x 48" x 78 3/8"	Plywood	2 Pcs.
	3/8" x 39" x 78 3/8"	Plywood	2 Pcs.
	3/8" x 8 7/8" x 72 5/8"	Plywood	2 Pcs.
	2" x 4" x 86"	Braces	2 Pcs.
	2" x 4" x 72 5/8"	Braces	4 Pcs.
SKIDS:	3" x 3 1/2" x 12"	Braces	9 Pcs.
OTHER:	16d Nails		55 Pcs.
	16d Nails		50 Pcs.
	8d Nails		260 Pcs.
	3" x 3/8"	Lag Bolts	22 Pcs.
	2" x 3/8"	Lag Bolts	12 Pcs.
	1 1/2" x 15"	Gauge Staples	65 Pcs.
	1 1/8" x 15"	Gauge Staples	65 Pcs.

COMMERCIAL SHIPPING CONTAINERS

A. MTMC Approval No: 155B

B. Manufacturer: Tanaka Container Manufacturing Company  
618 Shimashi, Ginowan City  
Okinawa

C. Testing Facility: Abbot A. Hanks Testing Laboratory

D. Date of Testing: Feb 75

E. Outer Size: 87"L x 48"W x 87"H

F. Tare Weight: 565 lbs

G. Cube: 210 cubic feet

H. Bill of Materials:

TOP:	5/8" x 48" x 87"	Plywood	1 Pc.
	2" x 4" x 47 1/4"	Braces	2 Pcs.
BOTTOM:	5/8" x 47 1/4" x 86"	Plywood	1 Pc.
	2" x 4" x 78 3/4"	Braces	3 Pcs.
	2" x 4" x 47 1/4"	Braces	2 Pcs.
	2" x 4" x 18 1/4"	Braces	4 Pcs.
ENDS:	1/2" x 47 1/4" x 83 3/8"	Plywood	2 Pcs.
SIDES:	3/8" x 48" x 83 3/8"	Plywood	2 Pcs.
	3/8" x 39" x 83 3/8"	Plywood	2 Pcs.
	3/8" x 8 7/8" x 77 5/8"	Plywood	2 Pcs.
	2" x 4" x 86"	Braces	2 Pcs.
	2" x 4" x 77 5/8"	Braces	4 Pcs.
SKIDS:	3" x 3 1/2" x 12"	Braces	9 Pcs.
OTHER:	16d Nails		55 Pcs.
	6d Nails		50 Pcs.
	8d Nails		260 Pcs.
	1 1/2" x 15"	Gauge Staples	65 Pcs.
	1 1/8" x 15"	Gauge Staples	65 Pcs.
	3" x 3/8"	Lag Bolts	22 Pcs.
	2" x 3/8"	Lag Bolts	12 Pcs.

COMMERCIAL SHIPPING CONTAINERS

A. MTMC Approval No: 156A

B. Manufacturer: Ditta Tullio Tescari  
36040 Torri Quartesolo  
C.C. Postale 28/2801  
Vicenza, Italy

C. Testing Facility: Institute of Industrial Transports

D. Date of Testing: Mar 75

E. Outer Size: 86 5/8"L x 43 5/8"W x 81 5/16"H

F. Tare Weight: 308.5 lbs

G. Cube: 178 cubic feet

H. Bill of Materials:

BOTTOM:	86 5/8" x 34 1/4" x 1/2" 2" x 4"	Plywood Lumber	1 Pc.
SKIDS:	2 3/4" x 3 7/8" x 16 1/8"	Lumber	6 Pcs.
SIDES:	77 15/16" x 37 1/16" x 3/8" 2" x 4" 72 5/8" x 4 3/4" x 3/8"	Plywood Lumber Plywood	4 Pcs.  2 Pcs.
ENDS:	77 15/16" x 42 15/16" x 1/2"	Plywood	2 Pcs.
TOP:	86 5/8" x 43 3/4" x 5/8" 2" x 4" x 42 15/16"	Plywood Lumber	1 Pc. 2 Pcs.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 156B
- B. Manufacturer: Ditta Tullio Tescari  
36040 Torri Quartesolo  
C.C. Postale 28/2801  
Vicenza, Italy
- C. Testing Facility: Institute of Industrial Transports
- D. Date of Testing: Dec 77
- E. Outer Size: 87 1/2"L x 46 5/8"W x 86 3/4"H
- F. Tare Weight: 364 lbs
- G. Cube: 202 cubic feet
- H. Bill of Materials:

BASE:	86 5/8" x 43 11/16" x 1/2"	Popular Plywood	1 Pc.
	16 1/8" x 3 1/4" x 2 1/4"	Spruce Skids	6 Pcs.
	79 5/8" x 3 1/2" x 1 1/2"	Spruce Beams	2 Pcs.
	43 11/16" x 3 1/2" x 1 1/2"	Spruce Beams	2 Pcs.
	36 5/8" x 3 1/2" x 1 1/2"	Spruce Beams	3 Pcs.
SIDES:	87 1/2" x 83 1/2" x 1/2"	Popular Plywood	2 Pcs.
	79 15/16" x 3 1/2" x 1 1/2"	Spruce Beams	6 Pcs.
ENDS:	83 1/2" x 45 1/8" x 1/2"	Popular Plywood	2 Pcs.
TOP:	86 5/8" x 46 1/16" x 1/2"	Popular Plywood	2 Pcs.
	45 1/4" x 3 1/2" x 1 1/2"	Spruce Beams	2 Pcs.

Assembly by means of lag screws and nails

COMMERCIAL SHIPPING CONTAINERS

A. MTMC Approval No: 157A

B. Manufacturer: Walker Pack Limited  
Stratford Road  
Northampton NN7 2NJ, England

C. Testing Facility: EPS (Research and Development) LTD

D. Date of Testing: May 74

E. Outer Size: 87"L x 48"W x 82"H

F. Tare Weight: 420 lbs

G. Cube: 198 cubic feet

H. Bill of Materials:

FLOOR:	85 1/4" x 47 1/4" x 5/8"	Plywood	1 Pc.
ENDS:	78 1/4" x 47 1/4" x 3/8"	Plywood	2 Pcs.
ROOF:	87" x 48" x 5/8"	Plywood	1 Pc.
	1 5/8" x 3 5/8" x 47 1/4"	Lumber	2 Pcs.
SIDES:	87" x 81 1/4" x 3/8"	Plywood	2 Pcs.
	1 5/8" x 3 5/8" x 85 1/4"	Lumber	2 Pcs.
	1 5/8" x 3 5/8" x 74"	Lumber	4 Pcs.
SKIDS:	3" x 3" x 20"	Lumber	4 Pcs.
	3" x 3" x 16"	Lumber	2 Pcs.
	3" x 3" x 13"	Lumber	2 Pcs.
DOOR FRAME:	1" x 2" x 47 1/4"		2 Pcs.
	1" x 2" x 74 1/4"		2 Pcs.
OTHER:	3"	Nails	
	4 1/2"	Nails	
	1 7/8"	Nails	
	3/8" x 3"	Screws	
	1/4" x 3"	Screws	

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 158A
- B. Manufacturer: Luzon Brokerage Corporation  
P.O. Box 591  
Manila, Philippines
- C. Testing Facility: R. J. Del Pan and Company, Incorporated
- D. Date of Testing: Feb 75
- E. Outer Size: 85"L x 45"W x 87"H
- F. Tare Weight: 410 lbs
- G. Cube: 192 cubic feet
- H. Bill of Materials:

FLOOR:	3/4" x 44 1/4" x 84" 2" x 4"	Plywood Lumber	1 Pc.
SKIDS:	3" x 4" x 13"	Lumber	9 Pcs.
SIDES:	3/8" x 42" 1/2" x 83 7/8" 3/4" x 4" x 83 7/8" 2 x 4"	Plywood Lumber Lumber	4 Pcs. 2 Pcs.
DOOR:	1/2" x 44 1/4" x 83 7/8"	Plywood	1 Pc.
ENDS:	1/2" x 44 1/4" x 83 7/8"	Plywood	1 Pc.
TOP:	5/8" x 45" x 85"	Plywood	1 Pc.
OTHER:	3/8" x 4 1/2" 2 1/2" 2 1/2" 4" 3/4"	Lag Bolts Nails Nails Steel Bands	



COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 159A
- B. Manufacturer: Golden State Containers, Incorporated  
5300 S. San Pedro Street  
Los Angeles, CA 90011
- C. Testing Facility: Abbot A. Hanks Testing Laboratory
- D. Date of Testing: Sep 75
- E. Outer Size: 87"L x 45"W x 82"H
- F. Tare Weight: 365 lbs
- G. Cube: 185 cubic feet
- H. Bill of Materials:

SIDES:	77 3/4" x 48" x 3/8"	Plywood	2 Pcs.
	77 3/4" x 38" x 3/8"	Plywood	2 Pcs.
	1/2" x 3" x 77 3/4"	Lumber	2 Pcs.
	2" x 4" x 77 3/4"	Lumber	4 Pcs.
TOP:	87" x 45" x 1/2"	Plywood	1 Pc.
	2" x 4"	Lumber	
ENDS:	77 3/4" x 45" x 1/2"	Plywood	2 Pcs.
BASE:	86" x 45" x 1/2"	Plywood	1 Pc.
	2" x 4"	Lumber	
SKIDS:	2" x 4" x 12"	Lumber	12 Pcs.
OTHER:	5/16" x 4"	Lag Bolts	
	8d	Nails	

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 159B
- B. Manufacturer: Golden State Containers, Incorporated  
5300 S. San Pedro Street  
Los Angeles, CA 90011
- C. Testing Facility: Abbot A. Hanks Testing Laboratory
- D. Date of Testing: Sep 75
- E. Outer Size: 87"L x 48"W x 82"H
- F. Tare Weight: 390 lbs
- G. Cube: 198 cubic feet
- H. Bill of Materials:

BASE:	86" x 48" x 5/8" 2" x 4"	Plywood Lumber	1 Pc.
SKIDS:	2" x 4" x 12"	Lumber	12 Pcs.
SIDES:	77 3/4" x 48" x 3/8"	Plywood	2 Pcs.
	77 3/4" x 38" x 3/8"	Plywood	2 Pcs.
	2" x 4"	Lumber	
	77 3/4" x 5" x 3/8"	Plywood	2 Pcs.
TOP:	87" x 48" x 1/2" 2" x 4"	Plywood Lumber	1 Pc.
ENDS:	77 3/4" x 48" x 1/2"	Plywood	2 Pcs.
OTHER:	5/16" x 4" 8d Nails	Lag Bolt	

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 159C
- B. Manufacturer: Golden State Containers, Incorporated  
5300 S. San Pedro Street  
Los Angeles, CA 90011
- C. Testing Facility: Abbot A. Hanks Testing Laboratory
- D. Date of Testing: Sep 75
- E. Outer Size: 87"L x 48"W x 87"H
- F. Tare Weight: 405 lbs
- G. Cube: 211 cubic feet
- H. Bill of Materials:

BASE:	86" x 48" x 5/8"	Plywood	1 Pc.
	2" x 4"	Lumber	
SKIDS:	2" x 4" x 12"	Lumber	12 Pcs.
SIDES:	82 3/4" x 48" x 1/2"	Plywood	2 Pcs.
	82 3/4" x 38" x 1/2"	Plywood	2 Pcs.
	2" x 4"	Lumber	
	82 3/4" x 6 1/2" x 1/2"	Plywood	2 Pcs.
TOP:	87" x 48" x 1/2"	Plywood	1 Pc.
	2" x 4"	Lumber	
ENDS:	87" x 48" x 1/2"	Plywood	2 Pcs.
OTHER:	5/16" x 4"	Lag Bolts	
	8d	Nails	

MTMC PAM 55-12

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 159D
- B. Manufacturer: Golden State Containers, Incorporated  
5300 S. San Pedro Street  
Los Angeles, CA 90011
- C. Testing Facility: Abbot A. Hanks Testing Laboratory
- D. Date of Testing: Sep 75
- E. Outer Size: 87"L x 45"W x 87"H
- F. Tare Weight: 420 lbs
- G. Cube: 197 cubic feet
- H. Bill of Materials:

BASE:	86" x 45" x 5/8"	Plywood	1 Pc.
	86" x 2" x 4"	Lumber	2 Pcs.
SKIDS:	2" x 4" x 12"	Lumber	6 Pcs.
SIDES:	77 3/4" x 48" x 3/8"	Plywood	2 Pcs.
	77 3/4" x 38" x 7/8"	Plywood	2 Pcs.
	77 3/4" x 5" x 3/8"	Plywood	2 Pcs.
TOP:	87" x 45" x 1/2"	Plywood	1 Pc.
	2" x 4"	Lumber	4 Pcs.
ENDS:	77 3/4" x 45" x 1/2"	Plywood	1 Pc.
OTHER:	5/16" x 4" Lag Bolts for Base		
	3/8" x 2 1/2" Lag Bolts for Assembly		
	Nails, #5, #7, #8, #16, Cement Coated		

Prior to assembly, all horizontal joints between top, sides, and ends and vertical joints between ends and sides will be caulked with nonhardening type caulking in a continuous strand or rope form.

COMMERCIAL SHIPPING CONTAINERS

A. MTMC Approval No: 159E

B. Manufacturer: Golden State Containers, Incorporated  
5300 S. San Pedro Street  
Los Angeles, CA 90011

C. Testing Facility: National Testing Standards, Incorporated

D. Date of Testing: Dec 81

E. Outer Size: 87"L x 45 1/4"W x 83"H

F. Tare Weight: 339 lbs

G. Cube: 189 cubic feet

H. Bill of Materials:

BASE:	44 1/2" x 86 1/4" x 1/2"	Plywood	1 Pc.
TOP:	46 1/4" x 87" x 3/8"	Plywood	1 Pc.
SIDES:	48" x 82 1/2" x 3/8"	Plywood	2 Pcs.
	38 1/4" x 82 1/2" x 3/8"	Plywood	2 Pcs.
	5" x 77" x 3/8"	Plywood	Cleat-1 per panel
ENDS:	45 1/4" x 82 1/2" x 3/8"		

Additional Materials for Inside Framing:

BASE:	2" x 4" x 37 1/2"	Lumber	3 Pcs.
	2" x 4" x 44 1/2"	Lumber	2 Pcs.
	2" x 4" x 79 1/4"	Lumber	2 Pcs.
SIDES:	2" x 4" x 77 1/8"	Lumber	4 Pcs.
	2" x 4" x 87"	Lumber	2 Pcs.
SKID:	2" x 4" x 12"	Lumber	12 Pcs.

Lag Bolts for assembly, 3/8" x 2 1/2", 30 each with 3/8" washers. Lag Bolts for skids mounted to base, 5/16" x 4", 12 each. Nails, #5, #7, #8, 16d cement coated. A synthetic water resistant compound is used for container joints.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 159F
- B. Manufacturer: Golden State Containers, Incorporated  
5300 S. San Pedro Street  
Los Angeles, CA 90011
- C. Testing Facility: N/A
- D. Date of Testing: N/A
- E. Outer Size: 85"L x 45"W x 86"H
- F. Tare Weight: 335 lbs
- G. Cube: 190.3 cubic feet
- H. Bill of Materials:

TOP:	45" x 85" x 3/8"	Plywood	2 Pcs.
BASE:	44 1/4" x 84 1/4" x 5/8"	Plywood	1 Pc.
	2" x 4" x 77 1/4"	Lumber	2 Pcs.
	2" x 4" x 44 1/4"	Lumber	2 Pcs.
	2" x 4" x 37 1/4"	Lumber	3 Pcs.
	2" x 4" x 12"	Lumber	12 Pcs.
ENDS:	45" x 82 1/2" x 3/8"	Plywood	2 Pcs.
SIDES:	48" x 82 1/2" x 3/8"	Plywood	2 Pcs.
	36 1/4" x 82 1/2" x 3/8"	Plywood	2 Pcs.
	2" x 4" x 76 7/8"	Lumber	4 Pcs.

OTHER: The base is framed with 2x4's on all four sides and cross members located at forklift points to ensure maximum strength. 5/8" exterior plywood is used. Attachments to the base will include 6 skid blocks located at all four corners and center sections by securing with 4" cement coated screw nails (3 per block). The side panels are constructed of 3/8" exterior plywood and reinforced with 2x4's on three sides. Nails are 2 1/4" cement coated and are clinched for strength. Side panels are joined and reinforced with cleats. They are secured by using 28 - 3/8" x 2 1/2" lag bolts. Caulking will be applied to the inside perimeter of the container.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 159G
- B. Manufacturer: Golden State Containers, Incorporated  
5300 So San Pedro Street  
Los Angeles, CA 90011
- C. Testing Facility: N/A
- D. Date of Testing: N/A
- E. Outer Size: 85"L x 45"W x 86"H
- F. Tare Weight: 400 lbs
- G. Cube: 190.3 cubic feet
- H. Bill of Materials:

TOP:	45" x 85" x 1/2"	Plywood	1 Pc.
BASE:	44" x 84" x 5/8"	Plywood	1 Pc.
	2" x 4" x 77"	Lumber	2 Pcs.
	2" x 4" x 44"	Lumber	2 Pcs.
	2" x 4" x 37"	Lumber	3 Pcs.
	2" x 4" x 12"	Lumber	12 Pcs.
ENDS:	45" x 82 1/2" x 1/2"	Plywood	2 Pcs.
SIDES:	48" x 82 1/2" x 1/2"	Plywood	2 Pcs.
	36" x 82 1/2" x 1/2"	Plywood	2 Pcs.
	2" x 4" x 76 7/8"	Lumber	4 Pcs.

OTHER: The base is framed with 2x4's on all four sides and cross members located at forklift points to ensure maximum strength. 5/8" exterior plywood is used. Nails are 2 1/2" cement coated and are clinched for strength. Attachments to the base will include 6 skid blocks located at all four corners and center sections by securing with 4" cement coated screw nails (3 per block). The side panels are constructed of 1/2" exterior plywood and reinforced with 2x4's on three sides. Nails are 2 1/4" cement coated and are clinched for strength. Side panels are joined and reinforced with center cleat. The top panel and both end panels are made of 1/2" exterior plywood and secured by using 28 - 3/8" x 2 1/2" lag bolts. Caulking will be applied to the inside perimeter of the container.

COMMERCIAL SHIPPING CONTAINERS

A. MTMC Approval No: 159H

B. Manufacturer: Golden State Containers, Incorporated  
5300 S. San Pedro Street  
Los Angeles, CA 90011

C. Testing Facility: N/A

D. Date of Testing: N/A

E. Outer Size: 85"L x 45"W x 86"H

F. Tare Weight: 335 lbs

G. Cube: 190.36 cubic feet

H. Bill of Materials:

TOP:	85" x 45" x 3/8"	Plywood	1 Pc.
	2" x 4" x 44 1/4"	Lumber	2 Pcs.
	2" x 4" x 81 1/4"	Lumber	2 Pcs.
BASE:	84 1/4" x 44 1/4" x 5/8"	Plywood	1 Pc.
	2" x 4" x 77 1/4"	Lumber	2 Pcs.
	2" x 4" x 44 1/4"	Lumber	2 Pcs.
	2" x 4" x 37 1/4"	Lumber	3 Pcs.
ENDS:	82 1/2" x 45" x 3/8"	Plywood	2 Pcs.
SIDES:	82 1/2" x 48" x 3/8"	Plywood	2 Pcs.
	82 1/2" x 36 1/4" x 3/8"	Plywood	2 Pcs.
	2" x 4" x 76 7/8"	Lumber	4 Pcs.
INSIDE CENTER CLEAT:	5" x 77" x 3/8"	Plywood	2 Pcs.
SKIDS:	2" x 4" x 12"	Lumber	12 Pcs.
OTHER:	2 1/4" Cement Coated Nails		
	2 1/2" Cement Coated Nails		
	4" Cement Coated Screw Nails		
	2 1/2" Cement Coated Screw Shank Nails		
	Waterproof Caulking		



**ASSEMBLY INSTRUCTIONS:** The base is framed with 2x4's on all four sides and cross members located at forklift points. 5/8" exterior plywood is used. Attachment to the base will include 6 skid blocks located at all four corners and center sections by securing with 4" cement coated screw nails, 3 per block. The side panels are constructed of 3/8" exterior plywood and reinforced with 2x4's on three sides. Nails are 2 1/4" cement coated and are clinched. Side panels are joined and reinforced with center cleat. The top panel is made of 3/8" exterior plywood as well as are both ends. They are secured by using 2 1/2" cement coated screw shank nails (approx 40). Caulking will be applied to the inside perimeter of the container to have a waterproof sealed tight box.

COMMERCIAL SHIPPING CONTAINERS

A. MTMC Approval No: 160A

B. Manufacturer: Columbia Export Packers, Incorporated  
19032 S. Vermont Avenue  
Torrance, CA 90502

C. Testing Facility: R. J. Del Pan & Company, Incorporated

D. Date of Testing: Sep 75

E. Outer Size: 87"L x 48"W x 78 1/2"H

F. Tare Weight: 524 lbs.

G. Cube: 189.7 cubic feet

H. Bill of Materials:

SIDEWALL:	3/8" x 43 1/2" x 78 1/2"	Plywood	4 Pcs.
	2" x 4" x 87"	Lumber	4 Pcs.
	2" x 4" x 78 1/2"	Lumber	6 Pcs.
FLOOR:	3/4" x 48" x 87"	Plywood	1 Pc.
	2" x 4" x 48"	Lumber	5 Pcs.
	2" x 4" x 87"	Lumber	2 Pcs.
ROOF:	3/4" x 48" x 87"	Plywood	1 Pc.
	2" x 4" x 87"	Lumber	2 Pcs.
	2" x 4" x 48"	Lumber	2 Pcs.
END WALLS:	1/2" x 48" x 78 1/2"	Plywood	2 Pcs.
	2" x 4" x 48"	Lumber	4 Pcs.
	2" x 4" x 78 1/2"	Lumber	4 Pcs.
SKIDS:	4" x 6" x 16"	Lumber	6 Pcs.
OTHER:	Lag Bolts		
	3" Nails		
	2" Nails		

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 161A
- B. Manufacturer: Custom Form Manufacturing Company  
P.O. Box 276  
Greensboro, GA 30642
- C. Testing Facility: Froehling and Robertson, Incorporated
- D. Date of Testing: Jan 76
- E. Outer Size: 96"L x 48 3/16"W x 81 3/4"H
- F. Tare Weight: 520 lbs
- G. Cube: 218.85 cubic feet
- H. Bill of Materials:

TOP:	96" x 48" x 3/4" 2" x 4"	Plywood Lumber	1 Pc.
BASE:	96" x 48" x 3/4" 1" x 4" 1" x 8" 1" x 6"	Plywood Lumber Lumber Lumber	1 Pc.
SKIDS:	3" x 4" x 22" 3" x 4" x 24"	Lumber Lumber	6 Pcs. 3 Pcs.
SIDES:	96" x 83" x 3/8" 2" x 4"	Plywood Lumber	2 Pcs.
ENDS:	83" x 46 1/2" x 3/8" 2" x 4"	Plywood Lumber	2 Pcs.

COMMERCIAL SHIPPING CONTAINERS

A. MTMC Approval No: 162A

B. Manufacturer: YuJin Industries, Limited  
C.P.O. Box 659  
Seoul, Korea

C. Testing Facility: Industrial Advancement Administration Testing Laboratory

D. Date of Testing: Feb 76

E. Outer Size: 87"L x 48"W x 82"H

F. Tare Weight: 535 lbs

G. Cube: 196 cubic feet

H. Bill of Materials:

TOP:	13/16" x 48" x 87"	Plywood	1 Pc.
	2" x 4" x 47"	Lumber	2 Pcs.
BASE:	13/16" x 47" x 85 5/8"	Lumber	1 Pc.
	2" x 4" x 78 5/8"	Lumber	3 Pcs.
	2" x 4" x 47"	Lumber	2 Pcs.
	2" x 4" x 18 1/4"	Lumber	4 Pcs.
ENDS:	11/16" x 47" x 78 3/16"	Plywood	2 Pcs.
SIDES:	1/2" x 48 1/2" x 78 3/16"	Plywood	2 Pcs.
	1/2" x 38 1/2" x 78 3/16"	Plywood	2 Pcs.
	1/2" x 8 7/8" x 70 3/8"	Plywood	2 Pcs.
	2" x 4" x 85 5/8"	Lumber	2 Pcs.
	2" x 4" x 70 3/8"	Lumber	4 Pcs.
OTHER:	16d	Nails	
	8d	Nails	
	1 1/2"	15 Gauge Staples	
	1 5/8" x 3/8"	Bolts	

COMMERCIAL SHIPPING CONTAINERS

A. MTMC Approval No: 162B

B. Manufacturer: YuJin Industries, Limited  
C.P.O. Box 659  
Seoul, Korea

C. Testing Facility: Industrial Advancement Administration Testing Laboratory

D. Date of Testing: Feb 76

E. Outer Size: 87"L x 48"W x 87"H

F. Tare Weight: 557 lbs

G. Cube: 210.5 cubic feet

H. Bill of Materials:

TOP:	13/16" x 48" x 87"	Plywood	1 Pc.
	2" x 4" x 47"	Lumber	2 Pcs.
BASE:	13/16" x 47" x 85 5/8"	Plywood	1 Pc.
	2" x 4" x 78 5/8"	Lumber	3 Pcs.
	2" x 4" x 47"	Lumber	2 Pcs.
	2" x 4" x 18 1/4"	Lumber	4 Pcs.
ENDS:	11/16" x 47" x 83"	Plywood	2 Pcs.
SIDES:	1/2" x 48 1/2" x 87"	Plywood	2 Pcs.
	1/2" x 38 1/2" x 87"	Plywood	2 Pcs.
	1/2" x 8 7/8" x 87"	Plywood	2 Pcs.
	2" x 4" x 85 5/8"	Lumber	2 Pcs.
	2" x 4" x 80"	Lumber	4 Pcs.
OTHER:	16d	Nails	
	8d	Nails	
	1 1/2"	15 Gauge Staples	
	1 5/8" x 3/8"	Bolts	

COMMERCIAL SHIPPING CONTAINERS

A. MTMC Approval No: 162C

B. Manufacturer: YuJin Industries, Limited  
C.P.O. Box 659  
Seoul, Korea

C. Testing Facility: N/A

D. Date of Testing: N/A

E. Outer Size: 85"L x 45"W x 87"H

F. Tare Weight: 460 lbs

G. Cube: 192.6 cubic feet

H. Bill of Materials:

TOP:	5/8" x 45" x 85"	Plywood	1 Pc.
	2" x 4" x 44"	Lumber	2 Pcs.
BASE:	5/8" x 44" x 84"	Plywood	1 Pc.
	2" x 4" x 44"	Lumber	2 Pcs.
	2" x 4" x 76"	Lumber	3 Pcs.
	2" x 4" x 16"	Lumber	4 Pcs.
	2 3/8" x 4" x 14"	Lumber	9 Pcs.
END:	1/2" x 45" x 84"	Plywood	1 Pc.
DOOR:	1/2" x 45" x 84"	Plywood	1 Pc.
SIDES:	1/2" x 48" x 84"	Plywood	2 Pcs.
	1/2" x 36" x 84"	Plywood	2 Pcs.
	1/2" x 12" x 77 3/8"	Plywood	2 Pcs.
	2" x 4" x 84"	Lumber	2 Pcs.
	2" x 4" x 77 3/8"	Lumber	4 Pcs.

OTHER: Hardwares - Nails 3" and 5", Staples 1 1/2" and lag screw and washer 1/2" x 2".  
The sides and top have been caulked during manufacture. All other seams must be caulked during the assembly process using a nonhardening caulking compound.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 163A
- B. Manufacturer: Mactan International, Incorporated  
P.O. Box 4521  
Intramuros, Manila, Philippines
- C. Testing Facility: R. J. Del Pan and Company, Incorporated
- D. Date of Testing: Dec 75
- E. Outer Size: 87"L x 48"W x 82"H
- F. Tare Weight: 510 lbs
- G. Cube: 189.7 cubic feet
- H. Bill of Materials:

TOP:	87" x 48" 2" x 4"	Plywood Lumber	1 Pc.
END WALLS:	82" x 48" x 1/2" 2" x 4"	Plywood Lumber	2 Pcs.
FLOOR:	87" x 48" x 5/8" 2" x 4"	Plywood Lumber	1 Pc.
SIDES:	82" x 43 1/2" x 3/8" 2" x 4"	Plywood Lumber	4 Pcs.
SKIDS:	3" x 6" x 16"	Lumber	6 Pcs.
OTHER:	3/8" x 2 1/2" 3/8" x 4" 3" 2 1/2"	Lag Bolts Lag Bolts Nails Nails	

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 164A
- B. Manufacturer: Four Winds Forwarding, Incorporated  
P. O. Box 80771  
San Diego, CA 92138
- C. Testing Facility: Abbot A. Hanks Testing Laboratory
- D. Date of Testing: Feb 76
- E. Outer Size: 87"L x 47"W x 83"H
- F. Tare Weight: 520 lbs
- G. Cube: 196 cubic feet
- H. Bill of Materials:

TOP:	87" x 47" x 3/4"	Plywood	1 Pc.
SIDES:	87" x 84 1/2" x 1/2" 2" x 4"	Plywood Lumber	2 Pcs.
END PANEL:	82 1/2" x 46" x 1/2"	Plywood	2 Pcs.
BOTTOM:	86" x 46" x 3/4" 2" x 4"	Plywood Lumber	1 Pc.



COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 165A
- B. Manufacturer: J. Blakely, Incorporated  
P.O. Box 2  
Bristol, PA 19007
- C. Testing Facility: Arnold Greene Testing Laboratory
- D. Date of Testing: Mar 76
- E. Outer Size: 94 1/2"L x 41 3/4"W x 80 5/8"H
- F. Tare Weight: 453 lbs
- G. Cube: 194 cubic feet
- H. Bill of Materials:

TOP:	94 1/2" x 41 3/4" x 1/2"	Plywood	1 Pcs
	86 3/4" x 4" x 1"	Lumber	2 Pcs.
	41" x 4" x 1"	Lumber	2 Pcs.
SIDES:	3/8" x 45 1/2" x 80 5/8"	Plywood	4 Pcs.
	1" x 4" x 86 3/4"	Lumber	4 Pcs.
	1" x 4" x 79 1/4"	Lumber	4 Pcs.
	1" x 4" x 72 1/4"	Lumber	6 Pcs.
ENDS:	1" x 4" x 32 1/2"	Lumber	4 Pcs.
	3/8" x 41" x 80 5/8"	Plywood	2 Pcs.
	1" x 4" x 79 1/4"	Lumber	4 Pcs.
BOTTOM:	1" x 4" x 82 3/4"	Lumber	2 Pcs.
	3" x 6" x 24"	Lumber	2 Pcs.
	1" x 6" x 34 3/4"	Lumber	2 Pcs.
	5/8" x 41" x 93 3/4"	Plywood	1 Pc.
	1" x 6" x 41 3/4"	Lumber	2 Pcs.
	3" x 6" x 20"	Lumber	4 Pcs.
OTHER:	Metal Clamps		

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 165B
- B. Manufacturer: J. Blakely, Incorporated  
P.O. Box 2  
Bristol, PA 19007
- C. Testing Facility: Arnold Greene Testing Laboratory
- D. Date of Testing: Dec 76
- E. Outer Size: 96"L x 42"W x 83 1/2"H
- F. Tare Weight: 492 lbs
- G. Cube: 194 cubic feet
- H. Bill of Materials:

BASE:	94" x 40" x 5/8"	Plywood
ENDS:	72 7/8" x 40 1/2" x 11/16"	Plywood
SIDES:	79 1/4" x 47 5/16" x 11/16"	Plywood
TOP:	93 3/4" x 32 3/4" x 11/16"	Plywood
CLEATS	Ends, Sides, and Top - 1" x 4"	Lumber
CLEATS	Base - 1" x 6"	Lumber

CLIPS & PLATES: Plates are installed on ends, sides, base and top. Thirty-eight (38) clips are provided with dismounted container; thirty-six (36) are required for assembly of container.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 165C
- B. Manufacturer: J. Blakely, Incorporated  
P.O. Box 2  
Bristol, PA 19007
- C. Testing Facility: Arnold Greene Testing Laboratory
- D. Date of Testing: Dec 76
- E. Outer Size: 87"L x 48"W x 79 5/8"H
- F. Tare Weight: 492 lbs
- G. Cube: 194 cubic feet
- H. Bill of Materials:

TOP:	2" x 4" x 47 1/4"	Lumber	2 Pcs.
	1/2" x 48" x 87"	Plywood	1 Pc.
SIDES:	2" x 4" x 76"	Lumber	4 Pcs.
	2" x 4" x 79 1/4"	Lumber	4 Pcs.
	3/8" x 43 1/2" x 79 5/8"	Plywood	4 Pcs.
	1/2" x 6" x 70 1/2"	Plywood	2 Pcs.
BOTTOM:	2" x 4" x 79 1/4"	Lumber	3 Pcs.
	3" x 4" x 19"	Lumber	9 Pcs.
	2" x 4" x 47 1/4"	Lumber	2 Pcs.
	5/8" x 47 1/4" x 86 1/4"	Plywood	1 Pcs
ENDS:	3/8" x 47 1/4" x 79 5/8"	Plywood	2 Pcs.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 165D
- B. Manufacturer: J. Blakely, Incorporated  
P.O. Box 2  
Bristol, PA 19007
- C. Testing Facility: Arnold Greene Testing Laboratory
- D. Date of Testing: Nov 76
- E. Outer Size: 96"L x 47 1/4"W x 89 5/8"H
- F. Tare Weight: 510 lbs
- G. Cube: 240.3 cubic feet
- H. Bill of Materials:

TOP:	2" x 4" x 47 1/4"	Lumber	2 Pcs.
	1/2" x 48" x 96"	Plywood	1 Pc.
SIDES:	2" x 4" x 89 3/4"	Lumber	4 Pcs.
	2" x 4" x 86"	Lumber	4 Pcs.
	1/2" x 6" x 80 1/2"	Plywood	1 Pc.
	3/8" x 48" x 89 5/8"	Plywood	4 Pcs.
BOTTOM:	2" x 4" x 88 1/4"	Lumber	3 Pcs.
	2" x 4" x 47 1/4"	Lumber	2 Pcs.
	3" x 4" x 19"	Lumber	9 Pcs.
	5/8" x 47 1/4" x 95 1/4"	Plywood	1 Pc.
ENDS:	3/8" x 47 1/4" x 89 5/8"	Plywood	2 Pcs.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 166A
- B. Manufacturer: Martin Services and Supply  
Section 3, Sand Land  
Honolulu, HI 96819
- C. Testing Facility: Trans-Pacific Laboratory
- D. Date of Testing: Nov 75
- E. Outer Size: 87"L x 45"W x 84"H
- F. Tare Weight: 440 lbs
- G. Cube: 190 cubic feet
- H. Bill of Materials:

BASE:	2" x 4" x 79"	3 Pcs.
	2" x 4" x 44 1/4"	2 Pcs.
	4" x 4" x 15"	9 Pcs.
	2" x 4" x 26 7/8"	4 Pcs.
	5/8" x 44 1/4" x 86"	1 Pc.
SIDES:	2" x 4" x 79"	2 Pcs.
	2" x 4" x 76 3/8"	4 Pcs.
	1/2" x 5 1/2" x 74 3/8"	2 Pcs.
	3/8" x 48" x 80"	2 Pcs.
	3/8" x 39" x 80"	2 Pcs.
TOP:	2" x 4" x 44 1/4"	2 Pcs.
	5/8" x 45" x 87"	1 Pcs.
ENDS:	1/2" x 44 1/4" x 80"	2 Pcs.
NAILS:	10d, as required	
	20d, as required	
STAPLES:	8d, as required	
OTHER:	12 3/8" x 3" Lag Bolts	
	12 3/8" Washers	

COMMERCIAL SHIPPING CONTAINERS

A. MTMC Approval No: 167A

B. Manufacturer: Ephraim G. Gochang Company, Incorporated  
811 Quezon Boulevard  
Quezon City, Manila, P.I.

C. Testing Facility: R. J. Del Pan and Company

D. Date of Testing: May 76

E. Outer Size: 87"L x 48"W x 84"H

F. Tare Weight: 502 lbs

G. Cube: 203 cubic feet

H. Bill of Materials:

TOP:	87" x 48" x 1/2" 2" x 3"	Plywood Lumber	1 Pc.
SIDES:	87" x 84" x 1/2" 2" x 3"	Plywood Lumber	4 Pcs.
END WALLS:	84" x 48" x 1/2" 2" x 3"	Plywood Lumber	2 Pcs.
FLOOR:	87" x 48" x 3/4" 2" x 3"	Plywood Lumber	1 Pc.
SKIDS:	3" x 4" x 16"	Lumber	6 Pcs.
OTHER:	3" 3/8" x 2 1/2"	Nails Lag Bolts	

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 168A
- B. Manufacturer: Transport Contractors, Incorporated  
Sta. Mesa  
Manila, Philippines
- C. Testing Facility: R. J. Del Pan and Company
- D. Date of Testing: May 76
- E. Outer Size: 87"L x 45"W x 80"H
- F. Tare Weight: 450 lbs
- G. Cube: 181 cubic feet
- H. Bill of Materials:

TOP:	87" x 45" x 5/8" 2" x 4"	Plywood Lumber	1 Pc.
SIDES:	43 1/2" x 80" x 3/8" 2" x 4"	Plywood Lumber	4 Pcs.
END WALLS:	80" x 45" x 1/2" 2" x 4"	Plywood Lumber	2 Pcs.
FLOORING:	87" x 45" x 3/4" 2" x 4"	Plywood Lumber	1 Pc.
SKIDS:	3" x 4" x 18"	Lumber	9 Pcs.
OTHER:	3/8" x 5" 3/8" x 3" 3" 4"	Lag Bolts Lag Bolts Nails Nails	

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 169A
- B. Manufacturer: Graebel/Lightning Movers, Incorporated  
Phoenix, AZ
- C. Testing Facility: Gaynes Engineer and Testing Laboratory
- D. Date of Testing: May 76
- E. Outer Size: 87"L x 45"W x 82"H
- F. Tare Weight: 340 lbs
- G. Cube: 185.69 cubic feet
- H. Bill of Materials:

BASE:	2" x 4" x 79"		2 Pcs.
	2" x 4" x 44"		2 Pcs.
	2" x 4" x 36"		1 Pc.
	5/8" x 44" x 86"		1 Pc.
	2" x 4" x 10"	Plywood	12 Pcs.
SIDES:	2" x 4" x 76"		4 Pcs.
	3/8" x 12" x 72"	Plywood	2 Pcs.
	3/8" x 38 1/3" x 81 1/25"	Plywood	2 Pcs.
	3/8" x 48" x 81 1/25"	Plywood	2 Pcs.
ENDS:	1/2" x 45" x 81 1/25"	Plywood	2 Pcs.
TOP:	5/8" x 45" x 87"	Plywood	1 Pc.
	2" x 4" x 45"		2 Pcs.
OTHER:	5/16" x 4 1/2"	Lag Bolts	6 Pcs.
	5/16" x 3"	Lag Bolts	28 Pcs.
	6d	Nails	60 Pcs.
	10d	Nails	36 Pcs.



COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 170A
- B. Manufacturer: Hanjin Transportation Company Limited  
Seoul, Korea
- C. Testing Facility: Korea Export Packaging Inspection  
Laboratory
- D. Date of Testing: Jul 76
- E. Outer Size: 87"L x 43"W x 76"H
- F. Tare Weight: 447 lbs
- G. Cube: 164.5 cubic feet
- H. Bill of Materials:

SIDES:	87" x 76" x 1/2"	Plywood	2 Pcs.
	2" x 4" x 68 3/8"	Lumber	6 Pcs.
	2" x 4" x 86 1/4"	Lumber	4 Pcs.
DOOR & END:	73 5/8" x 42 1/4" x 1/2"	Plywood	2 Pc.
TOP:	87" x 43" x 5/8"	Plywood	1 Pc.
	2" x 4" x 42 1/4"	Lumber	2 Pcs.
BOTTOM:	86 1/8" x 42 1/4" x 5/8"	Plywood	1 Pc.
	15 1/2" x 4 3/4" x 3"	Blocks	9 Pcs.
	1 3/4" x 3 1/2" x 32 3/4"	Lumber	2 Pcs.
	1 3/4" x 3 1/2" x 80"	Lumber	3 Pcs.
OTHER:	1/2" x 2 1/2"	Lag Screws	
	1/2" x 2"	Lag Screws	

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 170B
- B. Manufacturer: Hanjin Transportation Company, Limited  
Seoul, Korea
- C. Testing Facility: Korea Export Packaging Inspection Laboratory
- D. Date of Testing: Jul 76
- E. Outer Size: 87"L x 45"W x 87"H
- F. Tare Weight: 520 lbs
- G. Cube: 197.1 cubic feet
- H. Bill of Materials:

SIDES:	87" x 87" x 1/2" 2" x 4"	Plywood Lumber	2 Pcs.
ENDS:	84 5/8" x 44 1/4" x 1/2"	Plywood	2 Pcs.
TOP:	87" x 45" x 5/8" 2" x 4"	Plywood Lumber	1 Pc.
BOTTOM:	86 1/8" x 44 1/4" x 5/8" 2" x 4"	Plywood Lumber	1 Pc.
SKIDS:	3" x 4 3/4" x 15 1/2"	Lumber	9 Pcs.
OTHER:	1/2" x 2"	Nails Lag Screws	

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 171A
- B. Manufacturer: Yongsan Transportation Company, Limited  
Seoul, Korea
- C. Testing Facility: Korea Exports Packaging Inspection Laboratory
- D. Date of Testing: Jul 76
- E. Outer Size: 87"L x 48"W x 70"H
- F. Tare Weight: 430 lbs
- G. Cube: 169.1 cubic feet
- H. Bill of Materials:

SIDE WALLS:	66 1/8" x 48" x 1/2"	Plywood	2 Pcs.
	66 1/8" x 39" x 1/2"	Plywood	2 Pcs.
	2" x 4"	Lumber	6 Pcs.
	58 1/8" x 12" x 3/4"	Lumber	2 Pcs.
ROOFING:	87" x 48" x 3/4"	Plywood	1 Pc.
	2" x 4" x 47"		2 Pcs.
	2" x 4" x 86"		2 Pcs.
FLOORING:	86" x 47" x 3/4"	Plywood	1 Pc.
	2" x 4" x 78"		3 Pcs.
	2" x 4" x 43"	Lumber	2 Pcs.
	3" x 4" x 18"	Lumber	9 Pcs.
END WALLS:	66 1/8" x 47" x 1/2"	Plywood	2 Pcs.
OTHER:	2 1/2"	Bolts	48 Pcs.
	1 1/2"	Nails	100 Pcs.
	2"	Nails	100 Pcs.
	3"	Nails	130 Pcs.
	4"	Nails	100 Pcs.
	5"	Nails	30 Pcs.
	Waterproofing Paper		1/2 Roll
	Caulking Compound		1 Gallon

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 171B
- B. Manufacturer: Yongsan Transportation Company, Limited  
Seoul, Korea
- C. Testing Facility: Korea Exports Packaging Inspection Laboratory
- D. Date of Testing: Jun 76
- E. Outer Size: 87"L x 48"W x 87"H
- F. Tare Weight: 325 lbs
- G. Cube: 210 cubic feet
- H. Bill of Materials:

SIDE WALLS:	1/2"	Plywood	4 Pcs.
	2" x 4"	Lumber	6 Pcs.
	3/4" x 12"	Lumber	2 Pcs.
ROOFING:	3/4"	Plywood	1 Pc.
	2" x 4"	Lumber	2 Pcs.
FLOORING:	3/4"	Plywood	1 Pc.
	2" x 4"	Lumber	4.5 Pcs.
	3" x 4" x 18"	Lumber	9 Pcs.
END WALLS:	1/2"	Plywood	2 Pcs.
	2 1/2"	Bolts	48 Pcs.
OTHER:	1 1/2"	Nails	100 Pcs.
	2"	Nails	100 Pcs.
	3"	Nails	130 Pcs.
	4"	Nails	100 Pcs.
	5"	Nails	30 Pcs.
		Waterproof Paper	2 Rolls
		Caulking Compound	0.1 Gallon

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 172A
- B. Manufacturer: Youngjin Trade and Transportation Company  
401-1, Konghang-Dong, Gangsuk-Ku  
Seoul, Korea
- C. Testing Facility: Korea Exports Packaging Inspection Laboratory
- D. Date of Testing: Jul 76
- E. Outer Size: 87"L x 43"W x 76"H
- F. Tare Weight: 434 lbs
- G. Cube: 164.5 cubic feet
- H. Bill of Materials:

SIDEWALLS:	1/2" x 48" x 72 1/4"	Plywood	2 Pcs.
	1/2" x 39" x 72 1/4"	Plywood	2 Pcs.
	2" x 4" x 86"	Lumber	2 Pcs.
	2" x 4" x 68 1/4"	Lumber	4 Pcs.
	1" x 6" x 65 1/2"	Lumber	2 Pcs.
ROOF:	3/4" x 87" x 43"		1 Pc.
	2" x 4" x 42"	Lumber	2 Pcs.
FLOOR:	3/4" x 42" x 86"	Plywood	1 Pc.
	2" x 4" x 42"	Lumber	2 Pcs.
	2" x 4" x 78"	Lumber	2 Pcs.
	2" x 4" x 34"	Lumber	3 Pcs.
	3" x 4" x 14"	Lumber	6 Pcs.
END WALLS:	1/2" x 42" x 72 1/4"	Plywood	2 Pcs.
OTHER:	2 1/2"	Bolts	44 Pcs.
	2"	Nails	200 Pcs.
	3"	Nails	130 Pcs.
	4"	Nails	100 Pcs.
	5"	Nails	40 Pcs.

Waterproof Paper 1/2 Roll  
Caulking Compound 0.1 Gallon

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 172B
- B. Manufacturer: Youngjin Trade and Transportation Company  
401-1, Konghang-Dong, Gangsuh-Ku  
Kuro-Ku, Seoul, Korea
- C. Testing Facility: Korea Exports Packaging Inspection Laboratory
- D. Date of Testing: Jul 76
- E. Outer Size: 87"L x 48"W x 82"H
- F. Tare Weight: 545 lbs
- G. Cube: 198.2 cubic feet
- H. Bill of Materials:

SIDE WALLS:	1/2" x 48" x 78 1/4"	Plywood	2 Pcs.
	1/2" x 39" x 78 1/4"	Plywood	2 Pcs.
	2" x 4" x 86"	Lumber	2 Pcs.
	2" x 4" x 74 1/4"	Lumber	4 Pcs.
	1" x 6" x 71 1/2"	Lumber	2 Pcs.
ROOFING:	3/4" x 87" x 48"	Plywood	2 Pcs.
	2" x 4" x 47"	Lumber	2 Pcs.
FLOORING:	3/4" x 47" x 86"	Plywood	1 Pc.
	2" x 4" x 47"	Lumber	2 Pcs.
	2" x 4" x 78"	Lumber	2 Pcs.
	2" x 4" x 39"	Lumber	3 Pcs.
	3" x 4" x 14"	Lumber	6 Pcs.
END WALLS:	1/2" x 47" x 78 1/4"	Plywood	2 Pcs.
OTHER:	2 1/2"	Bolts	44 Pcs.
	2"	Nails	200 Pcs.
	3"	Nails	130 Pcs.
	4"	Nails	100 Pcs.
	5"	Nails	40 Pcs.

Waterproof Paper (25M)	1/2 Roll
Caulking Compound	0.1 Gallon

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 172C
- B. Manufacturer: Youngjin Trade and Transportation Company  
401-1, Konghang-Dong, Gangsuh-Ku  
Seoul, Korea
- C. Testing Facility: Korea Exports Packaging Inspection Laboratory
- D. Date of Testing: Mar 86
- E. Outer Size: 85"L x 45"W x 87"H
- F. Tare Weight: 532 lbs
- G. Cube: 192.6 cubic feet
- H. Bill of Materials:

TOP:	3/5" x 45" x 85"	Plywood	1 Pc.
	1 3/4" x 3 9/16" x 44"	Lumber	2 Pcs.
BASE:	3/5" x 44" x 84"	Plywood	1 Pc.
	1 3/4" x 3 9/16" x 40 1/2"	Lumber	2 Pcs.
	1 3/4" x 3 9/16" x 76 7/8"	Lumber	2 Pcs.
	1 3/4" x 3 9/16" x 36 3/4"	Lumber	3 Pcs.
	3" x 4" x 14"	Lumber	6 Pcs.
HARDWARE FOR BASE:	5"	Nail	40 Pcs.
	3"	Nail	40 Pcs.
END:	1/2" x 45" x 83 1/4"	Plywood	1 Pc.
SIDES:	1/3" x 48" x 83 1/4"	Plywood	2 Pcs.
	1/3" x 36" x 83 1/4"	Plywood	2 Pcs.
	1/3" x 11 7/10" x 76 3/4"	Plywood	2 Pcs.
	1 3/4" x 3 9/16" x 84"	Lumber	2 Pcs.
	1 3/4" x 3 9/16" x 79 3/4"	Lumber	4 Pcs.
DOOR:	1/2" x 45" x 83 1/4"	Plywood	1 Pc.
HARDWARE FOR DOOR:	1/4" x 2 1/2"	Screw Nail	8 Pcs.
	3"	Nail	24 Pcs.
		Washer	8 Pcs.

All measurements have been converted from metric.

MTMC Approval No: 172C (Continued)

**CAULKING:** The sides and top have been caulked during manufacture. All other seams must be caulked during the assembly process using a nonhardening caulking compound.

**ASSEMBLY INSTRUCTIONS:** Place the base on the floor with the plywood facing upwards. Place two sides upright on the base so that the plywood overlaps the base. Nail the sides to the base with 12 screw nails, 10 5" nails and 16 3" nails. Place end in position and nail to sides with 2 screw nails and 24 3" nails. Nail it to base with 3 screw nails. Place top in position and nail to sides and end with 20 3" nails and 5 screw nails. Place door in place and secure to the base, sides and top with 24 3" nails.



COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 173A
- B. Manufacturer: C.A.P.I. S.P.A.  
Naples, Italy
- C. Testing Facility: Institute of Construction Theory
- D. Date of Testing: Jul 76
- E. Outer Size: 87"L x 48"W x 80"H
- F. Tare Weight: 319 lbs
- G. Cube: 196 cubic feet
- H. Bill of Materials:

BOTTOM:	86" x 47.2" x 0.59"	Plywood	1 Pc.
	39.4" x 3.15" x 1.57"	Lumber	4 Pcs.
	85.8" x 3.93" x 1.57"	Lumber	2 Pcs.
SKIDS:	15.75" x 3.93" x 3.15"	Lumber	6 Pcs.
SIDES:	79.13" x 43.3" x 0.39"	Plywood	4 Pcs.
	70.47" x 3.15" x 1.57"	Lumber	4 Pcs.
	70.47" x 5.9" x 1.57"	Lumber	2 Pcs.
	85-83" x 3.93" x 1.57"	Lumber	4 Pcs.
ENDS:	79.13" x 43.3" x 0.39"	Plywood	2 Pcs.
TOP:	86.6" x 48" x 1.57"	Plywood	1 Pc.
	44" x 3.15" x 1.57"	Lumber	2 Pcs.
OTHER:		Nails Lag Bolts	

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 174A
- B. Manufacturer: Woodcraft Manufacturing Company  
11930 44<sup>th</sup> Street North  
Clearwater, Florida 33762
- C. Testing Facility: Froehling & Robertson, Incorporated
- D. Date of Testing: Jan 76
- E. Outer Size: 87"L x 47"W x 82 5/8"H
- F. Tare Weight: 493 lbs
- G. Cube: 205 cubic feet
- H. Bill of Materials:

TOP:	87" x 47" x 5/8" 1" x 4 "	Plywood Lumber	1 Pc.
BASE:	87" x 47" x 3/4" 1" x 6" 1" x 8" 2" x 4"	Plywood Lumber Lumber Lumber	1 Pc.
SIDES:	82 5/8" x 43" x 1/2" 1" x 4" 1" x 6"	Plywood Lumber Lumber	4 Pcs.
END PANELS:	82 5/8" x 47" x 1/2" 1" x 4"	Plywood Lumber	2 Pcs.
OTHER:	Corner Assembly Plates Intermediate Assembly Plate 5/16" x 4 1/4 " 1 3/8" 3/16"	Bolts Staples Screws	

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 174B
- B. Manufacturer: Woodcraft Manufacturing Company  
11930 44<sup>th</sup> Street North  
Clearwater, Florida 33762
- C. Testing Facility: Froehling & Robertson, Incorporated
- D. Date of Testing: Based on test of MTMC 174A
- E. Outer Size: 87"L x 47"W x 84"H
- F. Tare Weight: 440 lbs
- G. Cube: 199 cubic feet
- H. Bill of Materials:

TOP:	47" x 87" x 1/2"	CDX Plywood	
	1" x 4" x 84 1/2"	S4S #2 SPIB	2 Pcs.
	1" x 4" x 37 1/2"	S4S #2 SPIB	4 Pcs.
	1 3/81' Cement Coated Staples, Clinched		120 Pcs.
	22' 4 1/2" Dia W 3/4" Flange Casket Material		
	Type II 16 Gauge Galvanized Assembly Plates		4 Pcs.
	Type IV 16 Gauge Galvanized Assembly Plates		6 Pcs.
	1" #10 Hex Head Wood Screws		10 Pcs.
	1/2" #10 Hex Head Wood Screws		20 Pcs.

NOTE: Fasten gasket material to each side of end panels and around top with 1/2" c/c staples through 3/4" flange into 1/2" plywood, 4" c/c extend gasket 1/8" above batten.

ENDS:	47" x 79 1/2" x 1/2"	CDX Plywood	2 Pcs.
	1" x 4" x 69 7/8"	S4S #2 SPIB	4 Pcs.
	1" x 4" x 45 1/2"	S4S #2 SPIB	4 Pcs.
	24' 2 1/2" Dia W 3/4"	Flange Casket Material	
	1 3/8" Cement Coated Staples, Clinched		150 Pcs.
	Type I 16 Gauge Galvanized Steel Plates		8 Pcs.
	Type IV 16 Gauge Galvanized Steel Plates		12 Pcs.
	1" #10 Hex Head Wood Screws		40 Pcs.
	1/2" #10 Hex Head Wood Screws		40 Pcs.
	1/2" Wide Crown c/c Staples to fasten all gasket material		190 Pcs.

## MTMC Approval No: 174B (Continued)

SIDES:	42 1/2" x 79 1/2" x 3/8"	CDX Plywood	4 Pcs.
	1" x 4" x 69 7/8"	S4S #2 SPIB	8 Pcs.
	1" x 4" x 42 1/2"	S4S #2 SPIB	8 Pcs.
		Cement Coated Staples, Clinched	312 Pcs.
	4"	Butt Hinges	6 Pcs.
	1"	#10 Hex Head Wood Screws	132 Pcs.
	Type I	16 Gauge Galvanized Steel Plates	8 Pcs.
	Type III	16 Gauge GALvanized Steel Plates	16 Pcs.
	13' 4 1/2"	Dia W 3/4" Flange Gasket Material	

NOTE: Fasten gasket same as above to center 1" x 4" batten of side panels under hinges, extend gasket 1/8" above top batten.

BASE:	46 1/4" x 86" x 5/8"	CDX Plywood	1 Pc.
	1" x 6" x 87"	S4S #2 SPIB	2 Pcs.
	1" x 6" x 35 1/2"	S4S #2 SPIB	4 Pcs.
	2" x 4" x 18"	S4S #2 SPIB	8 Pcs.
	1 1/2"	Cement Coated Staples, Clinched	150 Pcs.
	16D	Nails	24 Pcs.
	5/16" x 4"	Carridge Bolts w/Hex Head Nuts and Fender Washers	6 Pcs.
	Type II	16 Gauge Galvanized Steel Plates	4 Pcs.
	Type IV	16 Gauge Galvanized Steel Plates	6 Pcs.
	1"	#10 Hex Head Wood Screws	30 Pcs.
	44	.065 Heat Treated Spring Steel, Rust Resistant, Assembly Clips	

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 175A
- B. Manufacturer: Today Van Lines, Limited  
P.O. Box 68-714  
Taipei, Taiwan R.O.C.
- C. Testing Facility: Abbot A. Hanks Testing Laboratory
- D. Date of Testing: Sep 76
- E. Outer Size: 88 1/2"L x 48"W x 80"H
- F. Tare Weight: 450 lbs
- G. Cube: 204 cubic feet
- H. Bill of Materials:

BASE:	3/4" x 87 3/4" x 46 3/4"	Plywood	1 Pc.
	88" x 48" x 6"	Steel Frame 2.3 mm Thick	1 Pc.
	3" x 5" x 6"	Skid Block	6 Pcs.
SIDE:	1/2" x 87 3/4" x 39 3/4"	Plywood	2 Pcs.
	1/2" x 80"	Steel Frame 1.6 mm Thick	1 Pc.
TOP:	5/8" x 88" x 47 3/4"	Plywood	1 Pc.
END BOARD:	1/2" x 80 1/8" x 48"	Plywood	1 Pc.
DOOR PANEL:	78 3/4" x 46 1/2"	Steel Frame	1 Pc.
	Lock Door Plate		5 Pcs.
OTHER:	5/16 mm x 3/4"	T Nut	208 Pcs.
	3/16 mm x 3/4"	T Nut	36 Pcs.
	3/8" x 3"	Lag Bolts	4 Pcs.

COMMERCIAL SHIPPING CONTAINERS

A. MTMC Approval No: 176A

B. Manufacturer: Asia Container Corporation  
416 Shaw Boulevard  
Mandaluyong, Metro Manila, Philippines

C. Testing Facility: R.J. Del Pan and Company

D. Date of Testing: Nov 76

E. Outer Size: 87"L x 47"W x 85"H

F. Tare Weight: 480 lbs

G. Cube: 196.4 cubic feet

H. Bill of Materials:

TOP:	87" x 47" x 5/8"	Plywood	1 Pc.
ENDS:	83" x 46 1/4" x 1/2"	Plywood	2 Pcs.
	2" x 4" x 46 1/4"	Lumber	4 Pcs.
SIDES:	87" x 83" x 3/8"	Plywood	2 Pcs.
	2" x 4" x 82"	Lumber	2 Pcs.
	1" x 4" x 75 3/4"	Lumber	6 Pcs.
BOTTOM:	86" x 46 1/4" x 5/8"	Plywood	1 Pc.
	2" x 4" x 46 1/4"	Lumber	2 Pcs.
	2" x 4" x 79"	Lumber	3 Pcs.
SKIDS:	2" x 4" x 18"	Lumber	9 Pcs.
OTHER:	3"	Nails	
	2"	Nails	
	1 1/4" x 1 1/2"	Lag Screws	

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 177A
- B. Manufacturer: Alaska Forwarding Services  
80 Yesler Way  
Seattle, Washington 98104
- C. Testing Facility: EPS Research & Development Limited
- D. Date of Testing: Sep 77
- E. Outer Size: 88 1/8"L x 48 1/4"W x 83 3/4"H
- F. Tare Weight: 388 lbs
- G. Cube: 210.9 cubic feet
- H. Bill of Materials:

Plywood used in the construction is a good grade, exterior, waterproof type. The base, ends and top are of one piece while the sides are butt jointed, sealed with non-hardening compound, and covered with plywood panel on the inside.

BASE:	7' 2 1/4" x 3' 11 1/4" x 1/2"	Plywood	1 Pc.
TOP:	7' 4" x 4' x 1/2"	Plywood	1 Pc.
SIDE:	7' 4" x 6' 8" x 3/8"	Plywood	2 Pcs.
END:	3' 11 1/4" x 6' 8" x 1/2"	Plywood	2 Pcs.

Timber used in the construction is good quality, Swedish or Finnish Sixths.

BASE:	6' 7 1/2" x 1 1/2" x 4"	Timber	3 Pcs.
	3' 11 1/4" x 1 1/2" x 4"	Timber	2 Pcs.
	1' 4" x 3" x 4"	Timber	9 Pcs.
TOP:	3' 11 1/4" x 1 1/2" x 4"	Timber	2 Pcs.
SIDE:	7' 2 1/4" x 1 1/2" x 4"	Timber	4 Pcs.
	5' 10 3/4" x 1 1/2" x 4"	Timber	4 Pcs.
END:	3' 11 1/4" x 1" x 3"	Timber	4 Pcs.
	6' 1 1/2" x 1" x 3"	Timber	2 Pcs.
	3' 8 1/4" x 1" x 3"	Timber	4 Pcs.
	5' 10 1/2" x 1" x 3"	Timber	2 Pcs.

All framing is internal apart from the ends of the container.

MTMC Approval No. 177A (Continued)

**NAILS:** 2 1/2" are used to secure plywood to framing, 5" are used to secure blocks to base, and 1 3/4" are used to secure internal plywood panel over butt joint on sides.

**COACH SCREWS:** Thirty (30) - 5/16" x 3 1/2" are used to erect container. Four (4) along the bottom and three (3) up the side of the fixed end, two (2) up each and two (2) top and bottom of loose end and two (2) each side on the top.

**SEALING:** All internal joints are sealed with nonhardening compound at time of manufacture and erection.



COMMERCIAL SHIPPING CONTAINERS

A. MTMC Approval No: 178A

B. Manufacturer: Container Dynamics, NV  
Bisschoppenholflaan 284/Bus 23  
B-2100 Deurne  
Antwerpen, Belgium

C. Testing Facility: Belgisch Verpakkingsinstituut, V2W  
Brussels, Belgium

D. Date of Testing: Mar 78

E. Outer Size: 87"L x 46.7"W x 87.2"H

F. Tare Weight: 441 lbs

G. Cube: 204.8 cubic feet

H. Bill of Materials:

Plywood - Bottom - 5/8"  
Sides - 3/8"  
Ends - 3/8"  
Top - 1/2"

Bottom - 9 Blocks (3" x 5" x 16")

Frame: 3 lengthwise plus 2 crosswise edge members with section of 1.6" x 15/7"  
(Flat)

Corner Posts - 4 posts (2" x 4")

Top Frame - Section 2" x 4"

Side - One central strut (1.6" x 3.0")

Attachments - Bottom Nailed - frame - plywood stitched

Sides - Plywood stitched to members

Ends - Plywood nailed to members and bottom edge member stitched to upper  
edge member

Top - Plywood nailed to top edge members

All joints between prefabricated sections will be sealed with sealing compound.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 178B
- B. Manufacturer: Container Dynamics, NV  
Bisschoppenhoflaan 284/Bus 23  
B-2100 Deurne  
Antwerpen, Belgium
- C. Testing Facility: Belgisch Verpakkingsinstituut, V2W  
Brussels, Belgium
- D. Date of Testing: Mar 78
- E. Outer Size: 94.5"L x 45.3"W x 82.9"H
- F. Tare Weight: 440 lbs
- G. Cube: 205.2 cubic feet
- H. Bill of Materials:
  - Plywood - Bottom - 5/8"  
Sides - 3/8"  
Ends - 3/8"  
Top - 1/2"
  - Bottom - 9 blocks (3" x 5" x 16")  
Frame - 3 lengthwise plus 2 crosswise edge members with section of 1.6" x 15.7"  
(Flat)
  - Corner Posts - 4 posts (2" x 4")
  - Top Frame - Section 2" x 4"
  - Side - One central strut (1.6" x 3.0")
  - Attachments - Bottom - Nailed frame - plywood stitched  
Sides - Plywood stitched to members  
Ends - Plywood - Nailed to members and bottom edge member  
Stitched to upper edge member  
Top - Plywood nailed to top edge members

All joints between prefabricated sections will be sealed with sealing compound.

COMMERCIAL SHIPPING CONTAINERS

A. MTMC Approval No: 178C

B. Manufacturer: Container Dynamics, NV  
Bisschoppenhoflaan 284/Bus 23  
B-2100 Deurne  
Antwerpen, Belgium

C. Testing Facility: Belgisch Verpakkingsinstituut, V2W  
Brussels, Belgium

D. Date of Testing: Mar 78

E. Outer Size: 94.5"L x 45.4"W x 82.7"H

F. Tare Weight: 385 lbs

G. Cube: 205 cubic feet

H. Bill of Materials:

Plywood - Bottom - 5/8"  
Sides - 5/16"  
Ends - 5/16"  
Top - 3/8"

Bottom - 9 Blocks (3" x 3" x 15.7")  
Frame - 3 lengthwise plus 2 crosswise edge member with a section of 1.6" x 2.8"  
(Flat)

Corner Posts - 4 posts (section 1.6" x 2.8")

Top Frame - Section 1.6" x 2.8"

Side - One central strut with a section of 1.6" x 2.8"

Attachments - Bottom - Nailed frame - plywood stitched

Sides - Plywood stitched to corner posts and struts

Ends - Plywood nailed to corner posts and to bottom edge members stitched to  
upper edge members

Top - Plywood nailed to top edge member

All joints between prefabricated sections will be sealed with sealing compound.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 178D
- B. Manufacturer: Container Dynamics, N.V.  
Bisschoppenhoflaan 284/Bus 23  
B-2100 Deurne  
Antwerpen, Belgium
- C. Testing Facility: Belgisch Verpakkingsins Tituut, V2W  
Brussels, Belgium
- D. Date of Testing: Feb 79
- E. Outer Size: 87"L x 46.7"W x 87.2"H
- F. Tare Weight: 385 lbs
- G. Cube: 204 cubic feet
- H. Bill of Materials:

BASE:	5/8" x 46" x 86.4"	Plywood	1 Pc.
	3" x 3" x 15.7"	Bottom Blocks	9 Pcs.
	1.6" x 3" x 83.2"	Runner Lumber	3 Pcs.
	1.6" x 3" x 46"	Runner Lumber	2 Pcs.
	1 1/2"	Staples	150 Pcs.
		Screws Nails	27 Pcs.
SIDES:	5/16" x 43.2" x 83.8"	Plywood	4 Pcs.
	1.6" x 3" x 80"	Runner Lumber	6 Pcs.
	1.6" x 3" x 83.2"	Runner Lumber	2 Pcs.
	1 1/2"	Staples	150 Pcs.
		Lag Screws	4 Pcs.
END:	5/16" x 46.7" x 83.8"	Plywood	2 Pcs.
	1.6" x 3" x 46"	Runner Lumber	2 Pcs.
	5"	Nails	4 Pcs.
	3"	Nails	90 Pcs.
	3"	Lag Screws	8 Pcs.
TOP:	3/8" x 46.7" x 87"	Plywood	1 Pc.
	3"	Nails	40 Pcs.

All joints between prefabricated sections will be sealed with sealing compound.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 179A
- B. Manufacturer: Power Packing Case Makers, Limited  
Chiswick Avenue, Mildenhall  
Suffolk, England
- C. Testing Facility: EPS Research & Development Limited
- D. Date of Testing: Feb 78
- E. Outer Size: 88 7/8"L x 46 5/8"W x 84 1/16"H
- F. Tare Weight: 406 lbs
- G. Cube: 196.8 cubic feet
- H. Bill of Materials:

BASE:	81" x 3" x 2 1/8"	S/Wood	3 Pcs.
	45 1/4" x 3" x 2 1/8"	S/Wood	2 Pcs.
	18" x 3 1/2" x 3"	S/Wood	3 Pcs.
	87" x 45 1/4" x 1/2"	Plywood	1 Pc.
SIDES:	75 3/4" x 3" x 2 1/8"	S/Wood	4 Pcs.
	81" x 3" x 2 1/8"	S/Wood	2 Pcs.
	83 1/8" x 48" x 3/8"	Plywood	2 Pcs.
	83 1/8" x 39" x 3/8"	Plywood	2 Pcs.
	43 1/2" x 12 3/4" x 3/8"	Plywood	2 Pcs.
	34 1/2" x 12 3/4" x 3/8"	Plywood	2 Pcs.
	74 7/8" x 9" x 3/8"	Plywood	1 Pcs.
ENDS:	80 1/8" x 46" x 1/2"	Plywood	2 Pcs.
TOP:	88" x 46" x 1/2"	Plywood	1 Pcs.
	45 1/4" x 3" x 2 1/8"	S/Wood	2 Pcs.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 180A
- B. Manufacturer: Flomaton Grain, Incorporated  
Post Office Box 450  
Flomaton, AL 36441
- C. Testing Facility: Law Engineering Testing Company
- D. Date of Testing: Aug 79
- E. Outer Size: 81 1/4"L x 46"W x 87 1/8"H
- F. Tare Weight: 500 lbs
- G. Cube: 202.3 cubic feet
- H. Bill of Materials:

TOP:	5/8" x 87 1/4" x 46"	Plywood	1 Pc.
BOTTOM:	5/8" x 86 1/4" x 45 1/4"	Plywood	1 Pc.
ENDS:	1/2" x 83 1/2" x 46"	Plywood	2 Pcs.
SIDES:	3/8" x 38 1/4" x 83 1/2"	Plywood	1 Pc.
	3/8" x 48" x 83 1/2"	Plywood	1 Pc.
	3/4" x 4 1/2" x 81 3/8"	Plywood Strips	2 Pcs.
BASE:	2" x 4" x 45 1/4"	Lumber	2 Pcs.
	2" x 4" x 79 1/4"	Lumber	2 Pcs.
	2" x 4" x 39 1/4"	Lumber	1 Pc.
	1/2" x 39 1/4" x 13"	Plywood Strips	2 Pcs.
SKIDS:	2" x 4" x 12"	Lumber	12 Pcs.
FRAMING:	2" x 4" x 78" (Vertical)	Lumber	4 Pcs.
	2" x 4" x 83 1/4" (Horizon)	Lumber	2 Pcs.
	2" x 4" x 45 1/4" (Headers)	Lumber	2 Pcs.
OTHER:	3/8" x 1 1/2"	Lag Bolts w/Washers	28 Pcs.
	16d	Nails	

COMMERCIAL SHIPPING CONTAINERS

A. MTMC Approval No: 181A

B. Manufacturer: EPS (Banbury) Limited  
Chipping Warden  
Banbury  
Oxfordshire, England

C. Testing Facility: EPS Research and Development Limited

D. Date of Testing: Aug 79

E. Outer Size: 87"L x 47"W x 86 1/8"H

F. Tare Weight: 421.5 lbs

G. Cube: 203.8 cubic feet

H. Bill of Materials:

TOP:	5/8" x 47" x 87"	Plywood	1 Pc.
	2" x 4" x 46 1/4"	Lumber	2 Pcs.
END:	1/2" x 46 1/4" x 82 1/2"	Plywood	2 Pcs.
	7/8" x 2" x 78 1/2"	Lumber	2 Pcs.
	7/8" x 2" x 46 1/4"	Lumber	2 Pcs.
SIDES:	3/8" x 39" x 85 1/4"	Plywood	2 Pcs.
	3/8" x 48" x 85 1/4"	Plywood	2 Pcs.
	1 1/2" x 4" x 81 1/8"	Lumber	2 Pcs.
	1 1/2" x 4" x 77 7/8"	Lumber	4 Pcs.
BASE:	3" x 3" x 20"	Lumber	4 Pcs.
	3" x 3" x 16"	Lumber	2 Pcs.
	3" x 3" x 13"	Lumber	3 Pcs.
	1 1/2" x 3" x 43"	Lumber	2 Pcs.
	5/8" x 46 1/4" x 85 1/4"	Plywood	1 Pc.
OTHER:	2 1/2"	Nails-Cement Coated	
	3"	Nails-Cement Coated	
	3/4" Wide	Metal Banding*	
	Bostich 1566 Sealer		

\*The container must be banded with three bands of 3/4" wide tensional steel strapping - two vertical girth bands and one horizontal longitudinal band.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 181B
- B. Manufacturer: EPS (Banbury) Limited  
Chipping Warden  
Banbury, Oxfordshire, England
- C. Testing Facility: EPS Research and Development Limited
- D. Date of Testing: Aug 79
- E. Outer Size: 87 1/8"L x 48"W x 86 7/8"H
- F. Tare Weight: 433 lbs
- G. Cube: 210.2 cubic feet
- H. Bill of Materials:

BASE:	5/8" x 47 1/4" x 85 1/8"	Plywood	1 Pc.
	1 1/2" x 3" x 79 3/8"	Lumber	3 Pcs.
	1 1/2" x 3" x 47"	Lumber	2 Pcs.
TOP:	5/8" x 48" x 87"	Plywood	1 Pc.
	2" x 4" x 47 1/4"	Battens	2 Pcs.
SIDE:	3/8"x 48" x 83 1/2"	Plywood	2 Pcs.
	3/8"x 39" x 83 1/2"	Plywood	2 Pcs.
	3/8"x 9" x 83 1/2"	Plywood	4 Pcs.
	2" x 4" x 81 3/8"	Top Rails	2 Pcs.
	2" x 4" x 77 5/8"	Corner Posts	4 Pcs.
END:	1/2" x 47 1/4" x 83 1/2"	Plywood	2 Pcs.
SKIDS:	3" x 3" x 12"	Lumber	9 Pcs.
DOOR:	7/8" x 2" x 81 1/2"	Lumber	2 Pcs.
	7/8" x 2" x 43 1/2"	Lumber	2 Pcs.
OTHER:	2 1/2", 3", and 4" Cement Coated Nails 3/4" Metal Banding* Bostitch 1566 Sealer		

\*The container must be banded with 3 bands of 3/4" wide tensional steel strapping-2 vertical girth bands and one horizontal longitudinal band.



COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 182A
- B. Manufacturer: Imperial Enterprises of Louisiana, Inc.  
One Parkway Drive  
P.O. Box 735  
Hammond, LA 70404
- C. Testing Facility: Froehling & Robertson, Incorporated
- D. Date of Testing: Feb 80
- E. Outer Size: 88 1/4"L x 46"W x 88"H
- F. Tare Weight: 470 lbs
- G. Cube: 206.15 cubic feet
- H. Bill of Materials:

BASE:	5/8" x 87" x 45 1/4"	Plywood	1 Pcs.
	2" x 4" x 45 1/4"	Lumber	2 Pcs.
	2" x 4" x 80"	Lumber	2 Pcs.
	2" x 4" x 39"	Lumber	3 Pcs.
SKIDS:	3" x 4" x 12"	Lumber	6 Pcs.
SIDES:	3/8" x 85" x 43 1/2"	Plywood	2 Pcs.
	3/8" x 85" x 43 1/2"	Plywood	2 Pcs.
	2" x 4" x 79 3/8"	Lumber	4 Pcs.
	2" x 4" x 77 7/8"	Lumber	2 Pcs.
	2" x 4" x 84"	Lumber	2 Pcs.
ENDS:	1/2" x 46" x 85"	Plywood	2 Pcs.
	2" x 4" x 45 1/4"	Lumber	2 Pcs.
TOP:	5/8" x 46" x 88"	Plywood	1 Pc.
OTHER:	3/8" x 2 1/2"	Lag Bolts	36 Pcs.
	5/16" x 4 1/2"	Carriage Bolts w/Nuts	8 Pcs.

COMMERCIAL SHIPPING CONTAINERS

A. MTMC Approval No: 183A

B. Manufacturer: Service Packaging Corporation  
P.O. Box 17714  
Honolulu, HI 96817

C. Testing Facility: Approved Engineering Testing Laboratories

D. Date of Testing: Nov 79

E. Outer Size: 83 3/4"L x 45"W x 88 1/8"H

F. Tare Weight: 285 lbs

G. Cube: 192.20 cubic feet

H. Bill of Materials:

BASE: Molded 2 oz fiberglass with 8 lb density polyurethane foam and including 9 urethane pods/skids	1 Pc.
COVER: Molded 2 oz fiberglass sandwich with 8 lb density polyurethane foam	1 Pc.
SIDES: 1100 lb test A/A/C triplewall, fiberboard, uncoated, conforming to FED SPEC PPP-B-640	2 Pcs.
FASTENERS: Bighead (for closing door and back panel joint)	8 Pcs.
OTHER: 3.8" Hexhead bolts (used for closing top and bottom flap of door, 3/8" nuts molded in base and cover)	6 Pcs.
Fiberglassed plywood locking strip (attached to base)	1 Pc.
Fiberglassed plywood locking strip (attached to cover)	1 Pc.

Following items to be furnished by the user when assembling and closing the container:

Steel Straps 1 1/4" x .031"	2 Pcs.
PVC Waterproof Tape of its equivalent 3" (used to seal door seam)	
Caulking compound - Oil/Resin (used in channels of base and cover to seal)	

COMMERCIAL SHIPPING CONTAINERS

A. MTMC Approval No: 184A

B. Manufacturer: Box and Lumber Company  
10722 Reagan Street  
Los Alamitos, CA 90720

C. Testing Facility: Approved Engineering Test Laboratories

D. Date of Testing: Jun 80

E. Outer Size: 87"L x 46"W x 87"H

F. Tare Weight: 371 lbs

G. Cube: 201 cubic feet

H. Bill of Materials:

BASE:	5/8" x 45" x 86"	Plywood	1 Pc.
	2" x 4" x 87"	Lumber	2 Pcs.
	2" x 4" x 45"	Lumber	2 Pcs.
	3" x 4" x 38"	Lumber	3 Pcs.
SKIDS:	2" x 4" x 12"	Plywood	6 Pcs.
SIDES:	3" x 48" x 82 1/2"	Plywood	2 Pcs.
	3/8" x 38" x 82 1/2"	Plywood	2 Pcs.
	1/2" x 6" x 7"	Plywood	2 Pcs.
	2" x 4" x 77"	Lumber	4 Pcs.
	2" x 4" x 82 7/8"	Lumber	2 Pcs.
ENDS:	1/2" x 45 3/4" x 82 5/8"	Plywood	2 Pcs.
TOP:	1/2" x 45 3/4" x 87"	Plywood	1 Pc.
OTHER:	3/8" x 2 1/2"	Lag Bolt w/Washer	30-40 ea.
	5/16" x 4"	Lag Bolts	12 ea.

Side panels are constructed with 3/8" exterior glue plywood with 1/2" plywood as a splice to join the two pieces. Caulking is applied for water tightness.

COMMERCIAL SHIPPING CONTAINERS

A. MTMC Approval No: 185A

B. Manufacturer: G.D. Parker, Limited  
 Rixon Road  
 Finedon Road Industrial Estate  
 Wellingbrough, Northants, England NN8 4DD

C. Testing Facility: EPS Research and Development Limited

D. Date of Testing: Mar 81

E. Outer Size: 88"L x 46"W x 82"H

F. Tare Weight: 367 lbs

G. Cube: 192 cubic feet

H. Bill of Materials:

BASE:	1/2" x 87 1/4" x 45 1/4"	Plywood	1 Pc.
	1 1/2" x 3 7/8" x 45 1/4"	Lumber	2 Pcs.
	1 1/2" x 3 7/8" x 79 3/8"	Lumber	3 Pcs.
	1 1/2" x 3 7/8" x 16 7/8"	Lumber	4 Pcs.
SKIDS:	3" x 4" x 15"	Lumber	9 Pcs.
TOP:	1/2" x 88" x 46"	Plywood	1 Pc.
	1 1/2" x 3 7/8" x 45 1/4"	Lumber	2 Pcs.
SIDES:	3/8" x 78 1/2" x 48"	Plywood	2 Pcs.
	3/8" x 78 1/2" x 40"	Plywood	2 Pcs.
	1 1/2" x 3 7/8" x 86 3/8"	Lumber	4 Pcs.
	1 1/2" x 3 7/8" x 68 3/4"	Lumber	6 Pcs.
ENDS:	3/8" x 78 1/2" x 45 1/4"	Plywood	2 Pcs.
	7/8" x 1 7/8" x 76 1/2"	Lumber	2 Pcs.
	7/8" x 1 7/8" x 41 3/8"	Lumber	3 Pcs.
OTHER:	3/8" x 2"	Lag Bolt w/Nut	30 ea.
	2 1/2"	Common Nails	
	5"	Common Nails	

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 186A
- B. Manufacturer: Jacksonville Box & Woodwork Company, Inc.  
P.O. Box 3447  
Jacksonville, FL 32206
- C. Testing Facility: Froebeling & Robertson, Incorporated
- D. Date of Testing: Feb 82
- E. Outer Size: 87"L x 47"W x 87"H
- F. Tare Weight: 414 lbs
- G. Cube: 206 cubic feet
- H. Bill of Materials:

TOP:	3/8" x 47" x 87"	Plywood	1 Pc.
END:	3/8" x 46 1/2" x 83 3/8"	Plywood	2 Pcs.

The door end panel is assembled using 16 ea. #10 x 1" hex head self tapping screws, spaced equally apart around outer edges of end panel. Caulking is applied both before and after door end panel is attached, and after back end panel is attached.

SIDE:	3/8" x 42 1/8" x 83 3/8"	Plywood	1 Pc.
	3/8" x 45 1/8" x 83 3/8"	Plywood	1 Pc.

These are fastened together by 2 plywood 6" x 3/8" strips that are first glued together and then glued and stapled (1 1/4" staples placed approximately 3" apart) to make a panel 87 1/4" x 83 3/8". Three 3x4s are used per each panel for framing, attached to the top and two side edges of the side panel using 1 1/2" staples, placed approximately every 3" apart. Two 2x4s, cut 46 1/4" long are attached (using 8d common nails) to the top outer corners of the side panels before attaching the top panel to the container. Caulking is then applied to all outer edges, seams and joints.

BASE:	1/2" x 46 1/4" x 86 1/4"	Plywood	1 Pc.
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Six 2x4s are used for the under-bracing. These are attached to the plywood floor using 1 1/2" long common nails, spaced approximately every 6" apart. Two 2x4s, cut 14 1/2" long, are attached together with 3 each 8d common nails, equally spaced apart, to form the rubbing strips (skids). All skids are attached to the bottom of the base with 2-20d common nails.

MODIFICATION: Plywood may be substituted by Oriented Strand Board.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 186B
- B. Manufacturer: Jacksonville Box & Woodwork Company, Inc.  
P.O. Box 3447  
Jacksonville, FL 32206
- C. Testing Facility: Froehling & Robertson, Inc.
- D. Date of Testing: Based on test results of MTMC 186A
- E. Outer Size: 87"L x 45"W x 87"H
- F. Tare Weight: 408 lbs
- G. Exterior Cube: 197 cubic feet
- H. Bill of Materials:

TOP:	87" x 45" x 3/8"	Plywood	1 Pc.
BASE:	86 1/2" x 44 1/2" x 1/2"	Plywood	1 Pc.
ENDS:	83 3/8" x 45 1/2" x 3/8"	Plywood	2 Pcs.
SIDES:	83 3/8" x 42 1/2" x 3/8"	Plywood	1 Pc.
	83 3/8" x 45 1/8" x 3/8"	Plywood	1 Pc.

Above sides are fastened together by 2-6" wide 3/8" plywood strips that are first glued together and then glued and stapled (using 1 1/2" staples placed approximately every 3" apart) to make a panel 87 1/4" x 83 3/8".

SKIDS:	2" x 4" x 14 1/2"	Lumber	9 Pcs.
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OTHER: The door end panel is assembled using 16 each #10 x 1" hex head self tapping screws, spaced equally apart around outer edge of end panel. Nails (Type 8d) are used to fasten side to side and front and back. Nails (Type 20d) are used to fasten skid to base. All joints are sealed with a nonhardening compound.

MODIFICATION: Plywood may be substituted by Oriented Strand Board.

COMMERCIAL SHIPPING CONTAINERS

A. MTMC Approval No: 186C

B. Manufacturer: Jacksonville Box & Woodwork Company, Inc.  
P.O. Box 3447  
Jacksonville, FL 32206

C. Testing Facility: N/A

D. Date of Testing: N/A

E. Outer Size: 87"L x 45"W x 87"H

F. Tare Weight: 414 lbs

G. Exterior Cube: 197 cubic feet

H. Bill of Materials:

TOP:	3/8" x 45" x 87"	Plywood	1 Pcs.
	2" x 4" x 44 1/4"	Lumber	2 Pcs.
BASE:	1/2" x 44 1/4" x 86 1/4"	Plywood	1 Pc.
	2" x 4" x 79 1/4"	Lumber	2 Pcs.
	2" x 4" x 44 1/4"	Lumber	2 Pcs.
	2" x 4" x 37 1/4"	Lumber	2 Pcs.
	2" x 4" x 14 1/4"	Lumber	12 Pcs.
BASE	1 1/2"	Nails	As Req.
HARDWARE:	20d	Nails	As Req.
END:	3/8" x 44 1/4" x 83 3/8"	Plywood	1 Pc.
DOOR:	3/8" x 44 1/4" x 83 3/8"	Plywood	1 Pc.
DOOR	#10 x 1"	Screws	16 Pcs.
HARDWARE:			
SIDES:	3/8" x 43 5/8" x 83"	Plywood	4 Pcs.
	3/8" x 4 1/2" x 81 3/8"	Plywood	4 Pcs.
	2" x 4" x 79 7/8"	Lumber	4 Pcs.
	2" x 4" x 79 1/2"	Lumber	2 Pcs.

OTHER: Place the base on the floor with the plywood facing up. Place the sides upright on the base so the plywood overlaps the base and the upright 2x4s rest on the plywood portion of the

MTMC Approval No: 186C (Continued)

base. Caulk and nail 1-44 1/4" long 2x4 at both top ends so that sides can be nailed or stapled to the base. Place the top in position and nail or staple it to the sides. Place the end in position and nail or staple it to the base, sides and top. Place the door in position and secure it to the base, sides and top with 16 10x1" screws spaced equally apart. All seams are to be caulked during the assembly process using a nonhardening caulking compound. The door will be caulked before and after closing.

MODIFICATION: Plywood may be substituted by Oriented Strand Board.



## COMMERCIAL SHIPPING CONTAINERS

A. MTMC Approval No: 186D

B. Manufacturer: Jacksonville Box & Woodwork Company, Inc.  
P.O. Box 3447  
Jacksonville, FL 32206

C. Testing Facility: N/A

D. Testing Date: N/A

E. Outer Size: 45"L x 45"W x 87"H

F. Tare Weight: 217 lbs

G. Exterior Cube: 102 cubic feet

H. Bill of Materials:

TOP:	3/8" x 45" x 45" 2" x 4" x 44 1/4"	Plywood Lumber	1 Pc. 2 Pcs.
BASE:	1/2" x 44 1/4" x 44 1/4" 2" x 4" x 14 1/4" 2" x 4" x 37 1/4" 2" x 4" x 44 1/4" 2" x 4" x 37 1/4"	Plywood Lumber Lumber Lumber Lumber	1 Pc. 8 Pcs. 2 Pcs. 2 Pcs. 2 Pcs.
BASE HARDWARE:	1 1/2" Common	Nails	As Req.
END:	3/8" x 44 1/4" x 83 3/8"	Plywood	1 Pc.
DOOR:	3/8" x 44 1/4" x 83 3/8"	Plywood	1 Pc.
DOOR HARDWARE:	#10 x 1"	Screws	16 Ea.
SIDES:	3/8" x 43 5/8" x 83 3/8" 2" x 4" x 37 7/8" 2" x 4" x 37 1/2"	Plywood Lumber Lumber	2 Pcs. 2 Pcs. 2 Pcs.

OTHER: Assembly instructions: Place the base on the floor with the plywood facing up.  
Place the sides upright on the base so the plywood overlaps the base and the upright 2x4's rest on

MTMC Approval No: 186D (Continued)

the plywood portion of the base. Caulk and nail one 44 1/4" long 2x4 at both top ends of the side panels so that sides can be nailed or stapled to the base. Place the top in position and nail or staple it to the base, sides and top. Place the door in position and secure it to the base, sides and top with 16 #10 x 1" screws spaced equally apart. All seams are to be caulked during the assembly process using a nonhardening caulking compound. The door will be caulked before and after closing.

MODIFICATION: Plywood may be substituted by Oriented Strand Board.

COMMERCIAL SHIPPING CONTAINERS

A. MTMC Approval No: 186E

B. Manufacturer: Jacksonville Box & Woodwork Company, Inc.  
P.O. Box 3447  
Jacksonville, FL 32206

C. Testing Facility: N/A

D. Date of Testing: N/A

E. Outer Size: 85"L x 45"W x 87"H

F. Tare Weight: 414 lbs

G. Exterior Cube: 193 cubic feet

H. Bill of Materials:

TOP:	3/8" x 43 5/8" x 85"	Plywood	1 Pc.
	2" x 4" x 44 1/4"	Lumber	2 Pcs.
BASE:	1/2" x 44 1/4" x 84 1/4"	Plywood	1 Pc.
	2" x 4" x 14 1/4"	Lumber	12 Pcs.
	2" x 4" x 77 1/4"	Lumber	2 Pcs.
	2" x 4" x 44 1/4"	Lumber	2 Pcs.
	2" x 4" x 37 1/4"	Lumber	2 Pcs.
BASE			
HARDWARE:	1 1/2" Common	Nails	As Req.
	20d Common	Nails	As Req.
END:	3/8" x 44 1/4" x 83 3/8"	Plywood	1 Pc.
DOOR:	3/8" x 44 1/4" x 83 3/8"	Plywood	1 Pc.
DOOR			
HARDWARE:	#10 x 1"	Screws	16 Ea.
SIDES:	3/8" x 42 5/8" x 83 3/8"	Plywood	4 Pcs.
	3/8" x 4 1/2" x 81 3/8"	Plywood	4 Pcs.
	2" x 4" x 77 7/8"	Lumber	4 Pcs.
	2" x 4" x 77 1/2"	Lumber	2 Pcs.

MTMC Approval No: 186E (Continued)

OTHER: Assembly Instructions: Place the base on the floor with the plywood facing up. Place the sides upright on the base so the plywood overlaps the base and the upright 2x4's rest on the plywood portion of the base. Caulk and nail one 44 1/4" long 2x4 at both top ends of the side panels so the sides can be nailed or stapled to the base. Place the top in position and nail or staple it to the sides. Place the end in position and nail or staple it to the base, sides and top. Place the door in position and secure it to the base, sides and top with 16 #10x1" screws spaced equally apart. All seams are to be caulked during the assembly process using a nonhardening caulking compound. The door will be caulked before and after closing.

MODIFICATION: Plywood may be substituted by Oriented Strand Board.

## COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 186F
- B. Manufacturer: Jacksonville Box & Woodwork Company, Inc.  
P.O. Box 3447  
Jacksonville, FL 32206
- C. Testing Facility: N/A
- D. Date of Testing: N/A
- E. Outer Size: 85"L x 45"W x 96"H
- F. Tare Weight: 500 lbs
- G. Exterior Cube: 212.5 cubic feet
- H. Bill of Materials:

TOP:	3/8" x 45" x 85"	Plywood	1 Pc.
	2" x 4" (Nom.) x 44 1/4"	Lumber	2 Pcs.
BASE:	1/2" x 44 1/2" x 88 1/4"	Plywood	1 Pc.
	2" x 4" (Nom.) x 14 1/4"	Lumber	12 Pcs.
	2" x 4" (Nom.) x 77 1/4"	Lumber	2 Pcs.
	2" x 4" (Nom.) x 44 1/4"	Lumber	2 Pcs.
	2" x 4" (Nom.) x 37 1/4"	Lumber	2 Pcs.
HARDWARE FOR BASE: 1 1/2" Common		Nails	As Req.
20d Common		Nails	As Req.
END:	3/8" x 44 1/4" x 92 3/8"	Plywood	1 Pc.
SIDES:	3/8" x 42 1/2" x 92 3/8"	Plywood	4 Pcs.
	3/8" x 4 3/8" x 90 3/8"	Plywood	4 Pcs.
	2" x 4" (Nom.) x 88 7/8"	Lumber	4 Pcs.
	2" x 4" (Nom.) x 77 1/2"	Lumber	2 Pcs.
DOOR:	3/8" x 44 1/4" x 92 3/8"	Plywood	1 Pc.
HARDWARE FOR DOOR: 1/4" - 2 1/2"		Screws	10 Ea.

ASSEMBLY: Place the base on the floor with the plywood facing up. Place the sides upright on the base so the plywood overlaps the base & the upright 2x4's rest on the plywood

MTMC Approval No: 186F (Continued)

portion of the base. Caulk & nail one 44 1/4" long 2x4 at both top ends of the side panels to give stability to the base. Place the top in position & nail or staple it to the base. Place the end in position & nail or staple it to the base, sides & top. Place the door in position & secure it to the base, sides & top with 10 each 1/4" x 2 1/2" screws spaced equally apart. All seams are to be caulked during the assembly process using a nonhardening caulking compound. The door is to be caulked before & after closing.

MODIFICATION: Plywood may be substituted by Oriented Strand Board.

## COMMERCIAL SHIPPING CONTAINERS

A. MTMC Approval No: 186G

B. Manufacturer: Jacksonville Box & Woodwork Company, Inc.  
P.O. Box 3447  
Jacksonville, FL 32206

C. Testing Facility: N/A

D. Date of Testing: N/A

E. Outer Size: 96"L x 45"W x 87"H

F. Tare Weight: 476 lbs

G. Exterior Cube: 218 cubic feet

H. Bill of Materials:

TOP:	1/2" x 45" x 96" 2" x 4" (Nom.) x 44 1/4"	Plywood Lumber	1 Pc. 2 Pcs.
BASE:	5/8" x 44 1/2" x 95 1/4" 2" x 4" (Nom.) x 14 1/4" 2" x 4" (Nome) x 88 1/4" 2" x 4" (Nome) x 44 1/4" 2" x 4" (Nome) x 37 1/4"	Plywood Lumber Lumber Lumber Lumber	1 Pc. 12 Pcs. 2 Pcs. 2 Pcs. 2 Pcs.
HARDWARE FOR BASE:	1 1/2" Common 20d Common	Nails Nails	As Req. As Req.
END:	3/8" x 44 1/4" x 83 3/8"	Plywood	1 Pc.
SIDES:	3/8" x 48" x 83 3/8" 3/8" x 4 3/8" x 81 3/8" 2" x 4" (Nom.) x 79 7/8" 2" x 4" (Nom.) x 88 1/2"	Plywood Plywood Lumber Lumber	4 Pcs. 4 Pcs. 4 Pcs. 2 Pcs.
DOOR:	3/8" x 44 1/4" x 83 3/8"	Plywood	1 Pc.
HARDWARE FOR DOOR:	1/4" - 2 1/2"	Screws	10 Ea.

ASSEMBLY: Place the base on the floor with the plywood facing up. Place the sides upright on the base so the plywood overlaps the base & the upright 2x4's rest on one 44 1/4"

MTMC Approval No: 186G (Continued)

long 2x4 at both top ends of the side panels. This will give stability to the container so the sides can be nailed or stapled to the base. Place the top in position & nail or staple it to the base. Place the end in position & nail or staple it to the base, sides & top. Place the door in position & secure it to the base, sides & top with 10 each 1/4" x 2 1/2" screws spaced equally apart. All seams are to be caulked during the assembly using a nonhardening caulking compound. The door is to be caulked before & after closing.

MODIFICATION: Plywood may be substituted by Oriented Strand Board.



## COMMERCIAL SHIPPING CONTAINERS

A. MTMC Approval No: 186H

B. Manufacturer: Jacksonville Box & Woodwork Company, Inc.  
P.O. Box 3447  
Jacksonville, FL 32206

C. Testing Facility: N/A

D. Date of Testing: N/A

E. Outer Size: 74"L x 45"W x 87"H

F. Tare Weight: 351 lbs

G. Exterior Cube: 168 cubic feet

H. Bill of Materials:

TOP:	1/2" x 45" x 74" 2" x 4" (Nom.) x 44 1/4"	Plywood Lumber	1 Pc. 2 Pcs.
BASE:	1/2" x 44 1/2" x 72 1/4" 2" x 4" (Nom.) x 14 1/4" 2" x 4" (Nom.) x 66 1/4" 2" x 4" (Nom.) x 44 1/4" 2" x 4" (Nom.) x 37 1/4"	Plywood Lumber Lumber Lumber Lumber	1 Pc. 12 Pcs. 2 Pcs. 2 Pcs. 2 Pcs.
HARDWARE FOR BASE:	1 1/2" Common 20d Common	Nails Nails	As Req. As Req.
END:	3/8" x 44 1/4" x 83 3/8"	Plywood	1 Pc.
SIDES:	3/8" x 37" x 83 3/8" 3/8" x 4 3/8" x 81 3/8" 2" x 4" (Nom.) x 79 7/8" 2" x 4" (Nom.) x 66 1/2"	Plywood Plywood Lumber Lumber	4 Pcs. 4 Pcs. 4 Pcs. 2 Pcs.
DOOR:	3/8" x 44 1/4" x 83 3/8"	Plywood	1 Pc.
HARDWARE FOR DOOR:	1/4" - 2 1/2"	Screws	10 Ea.

ASSEMBLY: Place the base on the floor with the plywood facing up. Place the sides upright on the base so the plywood overlaps the base & the upright 2x4's rest on one 44 1/4" long

MTMC Approval No: 186H (Continued)

2x4 at both top ends of the side panels. This will give stability to the container so the sides can be nailed or stapled to the base. Place the top in position & nail or staple it to the base. Place the end in position & nail or staple it to the base, sides & top. Place the door in position & secure it to the base, sides and top with 10 each 1/4" x 2 1/2" screws spaced equally apart. All seams are to be caulked during the assembly using a nonhardening caulking compound. The door is to be caulked before and after closing.

MODIFICATION: Plywood may be substituted by Oriented Strand Board.

COMMERCIAL SHIPPING CONTAINERS

A. MTMC Approval No: 186I

B. Manufacturer: Jacksonville Box & Woodwork Company, Inc.  
P.O. Box 3447  
Jacksonville, FL 32206

C. Testing Facility: N/A

D. Date of Testing: N/A

E. Outer Size: 87"L x 47"W x 87"H

F. Tare Weight: 439 LBS

G. Exterior Cube: 206 Cubic Feet

H. Bill of Materials:

Base: 5/8" x 84 55/8" x 44 3/4"	Plywood	1 Pc.
2" x 4" x 44 3/4"	Lumber	2 Pcs.
2" x 4" x 77 3/4"	Lumber	3 Pcs.
2" x 4" x 17"	Lumber	4 Pcs.
3" x 4" x 16" (Hardwood)	Lumber	3 Pcs.
3" x 4" x 20" (Hardwood)	Lumber	6 Pcs.
1" x 4" x 87"	Lumber	3 Pcs.
3/8" x 5" Carriage Bolts	Hardware	9 Pcs.
3/8" Tapered Dinuts	Hardware	9 Pcs.

2 x 4 Lumber pieces are attached using 2 1/2" clinch nails staggered 6" apart.

3 x 4 Lumber pieces are attached using 4" nails staggered 6" apart, and carriage bolts.

1 x 4 Lumber pieces are attached using 2" nails.

SIDE: 3/8" x 48" x 83 1/8"	Plywood	2 Pcs.
3/8" x 39" x 83 1/8"	Plywood	2 Pcs.
1" x 4" x 87"	Lumber	4 Pcs.
1" x 4" x 76 1/8"	Lumber	8 Pcs.
2" x 4" x 84 5/8"	Lumber	2 Pcs.
2" x 4" x 75 13/16"	Lumber	4 Pcs.

1 x 4 Lumber pieces are attached using 1" glue coated staples staggered 6" apart.

MTMC Approval No: 186I (Continued)

2 x 4 lumber pieces are attached using 3" clinch nails staggered 6" apart.

TOP: 5/8" x 87" x 47"	Plywood	1 Pc.
2" x 4" x 44 1/2"	Lumber	3 Pcs.

2 x 4 Lumber pieces are attached using 2 1/2" nails staggered 6" apart.

ENDS: 3/8" x 44" 3/4" x 83 1/8"	Plywood	2 Pcs.
1" x 4" x 83 1/8"	Lumber	4 Pcs.
1" x 4" x 37 3/4"	Lumber	4 Pcs.
1" x 4" x 76 1/8"	Lumber	2 Pcs.

1 x 4 Lumber pieces are attached using 1" glue coated staples staggered 6" apart.

**ASSEMBLY INSTRUCTIONS:** Secure sides to the base with cement coated (cc) nails, 6" on center. Put one end in place, securing it to base with 8d cc nails, 6" on center. Place top on container likewise securing it with 8d cc nails, 6" on center. After packing the container with material to be shipped or stored, place the other end on the box, securing it to the base with 8d cc nails, 6" on center. All joints and seams will be caulked with a non-hardening caulking compound.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 187A
- B. Manufacturer: ERO/Goodrich Forest Products, Inc.  
13939 S.W. Edy Road  
Sherwood, OR 97140
- C. Testing Facility: Timber Products Inspection
- D. Date of Testing: Mar 82
- E. Outer Size: 87"L x 45"W x 83 3/8"H
- F. Tare Weight: 390 lbs
- G. Exterior Cube: 189 cubic feet
- H. Bill of Materials:

Plywood is grade CDX with exterior glue.

BASE: 5/8" x 45 1/4" x 86"	Plywood	1 Pc.
TOP: 5/8" x 46" x 87"	Plywood	1 Pc.
ENDS: 1/2" x 45 1/8" x 82 3/4"	Plywood	2 Pcs.
SIDE PANELS: 3/8" x 48" x 83 3/4"	Plywood	2 Pcs.
3/8" x 39" x 82 3/4"	Plywood	2 Pcs.

CONSTRUCTION: Two side panels, butted together, 1 1/2" x 3 1/2" lumber gusset plate applied to interior of container at butt joint. Joint is caulked and plate stapled. Framing lumber consists of 2x4 nominal utility grade or better 5-dry. Floor frame consists of:

3 Pcs. - 1 1/2" x 3 1/2" x 79"  
2 Pcs. - 1 1/2" x 3 1/2" x 44 1/4"  
4 Pcs. - 1 1/2" x 3 1/2" x 17"

STACKING SKIDS: 9 Pcs. - 2 1/2" x 3 1/2" x 15"

NAILS: 8P galvanized nails are used for securing back panel, front panel, top, and sides to base frame. 20P concrete coated nails are used to secure skids to frame bottom,

CAULKING: All secures and joints sealed with a latex, nonhardening compound prior to assembly.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 187B
- B. Manufacturer: ERO/Goodrich Forest Products, Inc.  
13939 S.W. Edy Road  
Sherwood, OR 97140
- C. Testing Facility: Timber Products Inspection
- D. Date of Testing: Mar 82
- E. Outer Size: 87"L x 45"W x 80 5/8"H
- F. Tare Weight: 370 lbs
- G. Exterior Cube: 183 cubic feet
- H. Bill of Materials:

Plywood is grade CDX with exterior glue.

BASE: 5/8" x 44 1/4" x 86"	Plywood	1 Pc.
TOP: 5/8" x 45" x 87"	Plywood	1 Pc.
ENDS: 1/2" x 44 1/4" x 80"	Plywood	2 Pcs.
SIDE PANELS: 3/8" x 48" x 80"	Plywood	2 Pcs.
3/8" x 39" x 80"	Plywood	2 Pcs.

CONSTRUCTION: Two side panels butted together, 3/8" x 9" x 80" plywood gusset strip applied to interior of container at butt joint. Joint is caulked and strip stapled. Framing lumber consists of 2x4 nominal utility frame or better 5-dry. Floor frame consists of:

- 3 Pcs. - 1 1/2" x 3 1/2" x 79"
- 2 Pcs. - 1 1/2" x 3 1/2" x 44 1/4"
- 4 Pcs. - 1 1/2" x 3 1/2" x 16 7/8"

STACKING SKIDS: 9 Pcs. - 2 1/2" x 3 1/2" x 15"

NAILS: 8P galvanized nails are used for securing back panel, front panel, top and sides to base. 20P cement coated nails are used to frame bottom,

CAULKING: All secures and joints sealed with a latex, nonhardening compound prior to assembly.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 188A
- B. Manufacturer: Legnobotti S.P.A.  
Zona Industriale  
72100 Brindisi, Italy
- C. Testing Facility: Institute for Transportation and Industrial Organization
- D. Date of Testing: Nov 81
- E. Outer Size: 88 1/2"L x 47 1/2"W x 88 1/4"H
- F. Tare Weight: 440 lbs
- G. Exterior Cube: 210 cubic feet
- H. Bill of Materials:

TOP: 1/2" x 88 1/2" x 47 1/2"	Plywood	1 Pc.
BASE: 5/8" x 88 1/2" x 47 1/2"	Plywood	1 Pc.
ENDS: 3/4" x 88 1/4" x 47 1/2"	Plywood	2 Pcs.
SIDES: 3/8" x 88 1/4" x 44 1/2"	Plywood	4 Pcs.

OTHER: Framing inside is constructed using 2x4 lumber. Skids are 6 Pcs. of lumber 16"L x 3"H. Container is assembled by using cc 2 3/4" nails. All joints must be caulked with a nonhardening caulking compound.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 188B
- B. Manufacturer: Legnobotti S.P.A.  
Zona Industriale  
72100 Brindisi, Italy
- C. Testing Facility: Institute for Transportation and Industrial Organization
- D. Date of Testing: Nov 81
- E. Outer Size: 96"L x 42 1/2"W x 85 1/2"H
- F. Tare Weight: 462 lbs
- G. Exterior Cube: 204 cubic feet
- H. Bill of Materials:

TOP: 1/2" x 96" x 42 1/2"	Plywood	1 Pc.
BASE: 5/8" x 96" x 42 1/2"	Plywood	1 Pc.
ENDS: 3/8" x 42 1/2" x 85 1/2"	Plywood	2 Pcs.
SIDES: 3/8" x 48" x 85 1/2"	Plywood	4 Pcs.

OTHER: Framing inside is constructed using 2x4 lumber. Skids are 6 pcs of lumber 16"L x 3"H. Container is assembled by nailing, using a mixture of 2 1/4" and 2 3/4" cc nails. All joints must have caulking compound.



COMMERCIAL SHIPPING CONTAINERS

A. MTMC Approval No: 189A

B. Manufacturer: President Van Lines, Limited  
P.O. Box 1807  
Taipei, Taiwan

C. Testing Facility: National Testing Standards

D. Date of Testing: May 82

E. Outer Size: 87"L x 45"W x 85"H

F. Tare Weight: 386 lbs

G. Exterior Cube: 193 cubic feet

H. Bill of Materials:

TOP: Single piece plywood: 1/2" x 87" x 85"

SIDES: Each side will consist of the following: 2 each plywood panels 3/8" x 43" x 85" secured together with a cleat 1 1/2" x 3" x 77"; top and bottom inside framing will consist of a cleat 1 1/2" x 3" x 83".

END & DOOR: Single piece plywood panels: 1/2" x 45" x 85"

BASE: Single sheet plywood: 5/8" x 86" x 44". Skid blocks will consist of 9 each wooden 3" x 2 1/2" x 15".

ASSEMBLY/OTHER INSTRUCTIONS: The door will be secured with 1 1/2" bolts with washers. The top is secured with 3" nails spaced every 6". The remainder of the container is assembled using a combination of 3" nails and 1 1/2" bolts with washers. All seams and joints are caulked with a latex, non-hardening compound during the assembly process.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 190A
- B. Manufacturer: Container Dynamics  
Postbus 19  
B-2100 Deurne, Belgium
- C. Testing Facility: Institute Belgie De L'Emballage
- D. Date of Testing: Sep 82
- E. Outer Size: 87"L x 45"W x 84"H
- F. Tare Weight: 422 lbs
- G. Exterior Cube: 190 cubic feet
- H. Bill of Materials:

TOP: 3/8" x 87" x 45"	Plywood	1 Pc.
BASE: 5/8" x 86" x 44"	Plywood	1 Pc.
ENDS: 1/2" x 79 7/8" x 44 1/4"	Plywood	2 Pcs.
SIDES: 3/8" x 79 7/8" x 87"	Plywood	2 Pcs.
SKIDS: 3" x 3" x 15"	Lumber	9 Blocks

OTHER: Side panels are constructed by securing two sheets of 3/8" plywood with one 2 1/8" x 1/4" central strut. Ends are secured to frame with lag screws. Top and base plywood sheets are nailed to frame members. All joints are sealed with a caulking compound.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 191A
- B. Manufacturer: Kotane, Incorporated  
P.O. Box 1702  
Hickory, NC 28603
- C. Testing Facility: Froehling & Robertson
- D. Date of Testing: Oct 82
- E. Outer Size: 87"L x 47"W x 87"H
- F. Tare Weight: 412 lbs
- G. Cube: 206 cubic feet
- H. Bill of Materials:

TOP: 1/2" x 47" x 87"	Plywood	1 Pc.
BASE: 1/2" x 46 1/2" x 86"	Plywood	1 Pc.
ENDS: 1/2" x 46 1/2" x 83 3/8"	Plywood	2 Pcs.
SIDES: 3/8" x 82 7/8" x 86"	Plywood	2 Pcs.
SKIDS: 4" x 4" x 12"	Lumber	6 Blocks

OTHER: Two 2x4s are placed under the base 1/3" from each end. 2 1/2" screw shank nails are used to attach the 2x4s to the base. Side panels are constructed using glue and 1 1/4" staples to secure two sheets of 3/8" plywood. The top panel is secured to the side and end panels using 3/8" x 2 1/2" lag screws with washers. All joints are sealed with a nonhardening caulking compound.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 191B
- B. Manufacturer: ERO/Goodrich Forest Products, Inc.  
13939 S.W. Edy Road  
Sherwood, OR 97140
- C. Testing Facility: Testing Engineers, Inc.
- D. Date of Testing: Sep 81
- E. Outer Size: 81"L x 44"W x 81"H
- F. Tare Weight: 390 lbs
- G. Exterior Cube: 167 cubic feet
- H. Bill of Materials:

TOP: 44" x 81" x 5/8"	Plywood	1 Pc.
BASE: 43 1/4" x 80" x 5/8"	Plywood	1 Pc.
ENDS: 43 1/4" x 78" x 1/2"	Plywood	2 Pcs.
SIDES: 40 1/2" x 78" x 3/8"	Plywood	4 Pcs.
4 3/8" x 72 1/4" x 3/8"	Plywood	1 Pc.
SKIDS: 3" x 4" x 15"	Lumber	9 Pcs.

OTHER: Interior framing consists of the following: 2" x 4" x 16 1/8" - 4 pcs for base.  
2" x 4" x 43 1/2" - 4 pcs. for base and top. 2" x 4" x 80" - 2 pcs. for sides.  
Container is assembled using 30 3 3/8" lag screws and 1 1/2" coated staples.  
Skids are attached to base using 3 1/2" screw nails. All joints must be  
sealed with a nonhardening caulking compound.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 192A
- B. Manufacturer: DeWitt Freight Forwarding  
P.O. Box 82476  
San Diego, CA 92138-2476
- C. Testing Facility: Bain Consultants
- D. Date of Testing: Nov 82
- E. Outer Size: 85"L x 45"W x 87"H
- F. Tare Weight: 420 lbs
- G. Exterior Cube: 192.5 cubic feet
- H. Bill of Materials:

TOP: 85"10 x 45" x 5/8"	Plywood	1 Pc.
BASE: 84" x 44 1/4" x 5/8"	Plywood	1 Pc.
ENDS: 83 3/8" x 44 1/4" x 1/2"	Plywood	2 Pcs.
SIDES: 83 3/8" x 42 1/2" x 3/8"	Plywood	4 Pcs.
SKIDS: 4" x 4" x 16"	Lumber	9 Pcs.

OTHER: Interior framing consists of 2x4 D.F. standard or better. Inside uprights consist of 4 pcs. - 77 3/4" x 4" x 2"; top and bottom cross members consist of 4 pcs. - 44 1/4" x 4" x 2"; inside side splines consist of 2 pcs, - 77 3/4" x 4" x 1". All joints must be sealed with a nonhardening caulking compound.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 192A-1
- B. Manufacturer: DeWitt Freight Forwarding  
P.O. Box 82476  
San Diego, CA 92138-2476
- C. Testing Facility: Bain Consultants
- D. Date of Testing: Nov 82
- E. Outer Size: 85"L x 45"W x 87"H
- F. Tare Weight: 420 lbs
- G. Exterior Cube: 192.5 cubic feet
- H. Bill of Materials:

TOP: 85"10 x 45" x 5/8"	Plywood	1 Pc.
BASE: 84" x 44 1/4" x 5/8"	Plywood	1 Pc.
ENDS: 83 3/8" x 44 1/4" x 1/2 "	Plywood	2 Pcs.
SIDES: 83 3/8" x 42 1/2" x 3/8 "	Plywood	4 Pcs.
SKIDS: 4" x 4" x 12"	Lumber	9 Pcs.

OTHER: Interior framing consists of 2x4 D.F. standard or better. Inside uprights consist of 4 pcs. - 77 3/4" x 4" x 2"; top and bottom cross members consist of 4 pcs. - 44 1/4" x 4" x 2" ; inside sidesplines consist of 2 pcs, - 77 3/4" x 4" x 1". All joints must be sealed with a nonhardening caulking compound.

MODIFICATIONS: Plywood may be substituted by Oriented Strand Board (OSB). 4x4 or double 2x4 skids may be used. 3/8"x 5 1/4" x 78 1/4" plywood or OSB strip may be used in place of 1 x 4 as cleat on the sides.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 193A
- B. Manufacturer: Eckol Packaging Company  
818 Jackson Street  
Napa, CA 94558
- C. Testing Facility: Balbi & Chang Associates
- D. Date of Testing: Mar 83
- E. Outer Size: 87"L x 45"W x 87"H
- F. Tare Weight: 450 lbs
- G. Exterior Cube: 197.11 cubic feet
- H. Bill of Materials:

TOP: 87" x 45" x 1/2"	Plywood	1 Pc.
BASE: 86" x 44" x 5/8"	Plywood	1 Pc.
ENDS: 83" x 44" x 1/2"	Plywood	2 Pcs.
SIDES: 83" x 48" x 1/2"	Plywood	2 Pcs.
83" x 39" x 1/2"	Plywood	2 Pcs.
SKIDS: 4" x 4" x 16"	Lumber	9 Pcs.

OTHER: For fabrication of each side panel a plywood strip 77 3/8" x 8 7/8" x 1/2" is used. Container is assembled using 56 HHCS (bolts) 5/16" x 2" and washers. All joints are sealed with a nonhardening butyl caulking compound.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 193B
- B. Manufacturer: Precision Wood Products  
4303 Fruit Valley Road  
Vancouver, WA 98666
- C. Testing Facility: Timber Products Inspection
- D. Date of Testing: Jan 83
- E. Outer Size: 85"L x 45"W x 87"H
- F. Tare Weight: 410 lbs
- G. Exterior Cube: 192.6 cubic feet
- H. Bill of Materials:

TOP: 85" x 45" x 5/8"	Plywood	1 Pc.
BASE: 84" x 44 1/4" x 5/8"	Plywood	1 Pc.
ENDS: 82 7/8" x 44 1/4" x 1/2"	Plywood	2 Pcs.
SIDES: 82 7/8" x 42 1/2" x 3/8"	Plywood	4 Pcs.
SKIDS: 4" x 4" x 16"	Lumber	9 Pcs.

OTHER: For fabrication of each side panel a plywood strip 1" x 4" x 77 1/4" is used. Ends are secured to interior supports using 5 lag bolts - 5/16" x 1 3/4" and 8 lag bolts - 5/16" x 2 1/2". Sides are secured to interior using 4 lag bolts - 5/16" x 1 3/4" and 10 lag bolts - 5/16" x 2 1/2"s. All Joints are sealed with a nonhardening silicone caulking compound.



COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 194A
- B. Manufacturer: Eckol Packaging Company  
818 Jackson Street  
Napa, CA 94558
- C. Testing Facility: Balbi & Chang Associates
- D. Date of Testing: May 83
- E. Outer Size: 85"L x 44 1/2"W x 84"H
- F. Tare Weight: 440 lbs
- G. Exterior Cube: 183.87 cubic feet
- H. Bill of Materials:

TOP: 85" x 44 1/2" x 1/2"	Plywood	1 Pc.
BASE: 84" x 43 1/2" x 5/8"	Plywood	1 Pc.
ENDS: 80 1/2" x 43 1/2" x 5/8"	Plywood	2 Pcs.
SIDES: 80 1/2" x 43 1/2" x 1/2"	Plywood	2 Pcs.
80 1/2" x 41 1/2" x 1/2"	Plywood	2 Pcs.
SKIDS: 4" x 4" x 16"	Lumber	9 Pcs.

OTHER: For fabrication of each side panel a plywood strip 76 7/8" x 5 x 1 1/8" is used. Ends are secured using 64 HHCS (bolts), 5/16" x 2 1/2" with washers. All joints are sealed with a nonhardening butyl caulking compound. Container is banded horizontally and vertically using 3/4" x 0.23" steel banding.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 194B
- B. Manufacturer: Eckol Packaging Company  
818 Jackson Street  
Napa, CA 94558
- C. Testing Facility: Balbi & Chang Associates
- D. Date of Testing: May 83
- E. Outer Size: 87"L x 45"W x 87"H
- F. Tare Weight: 450 lbs
- G. Exterior Cube: 197.11 cubic feet
- H. Bill of Materials:

TOP:	87" x 45" x 1/2"	Plywood	1 Pc.
BASE:	86" x 44" x 5/8"	Plywood	1 Pc.
ENDS:	83" x 44" x 1/2"	Plywood	2 Pcs.
SIDES:	83" x 44 1/2" x 1/2"	Plywood	2 Pcs.
	83" x 42 1/2" x 1/2"	Plywood	2 Pcs.
SKIDS:	4" x 4" x 16"	Lumber	9 Pcs.

OTHER: For fabrication of each side panel a plywood strip 79 3/8" x 5" x 1 1/8" is used. Ends are secured using 64 HHCS (bolts) 5/16" x 2 1/2" with washers. All joints are sealed with a nonhardening butyl caulking compound. Container is banded vertically and horizontally using 3/4" x 0.23" steel banding.

COMMERCIAL SHIPPING CONTAINERS

A. MTMC Approval No: 195A

B. Manufacturer: Allied Container Manufacturing Corporation  
P.O. Box 10257  
Alexandria, VA 22310

C. Testing Facility: National Standards Testing

D. Date of Testing: Aug 83

E. Outer Size: 87 1/16"L x 44 13/16"W x 86 3/4"H

F. Tare Weight: 410 lbs

G. Exterior Cube: 196 cubic feet

H. Bill of Materials:

TOP: 86 1/16" x 44 13/16" x 1/2"	Plywood	1 Pc.
BASE: 86 1/4" x 43 11/16" x 5/8"	Plywood	1 Pc.
ENDS: 82 3/4" x 43 11/16" x 1/2"	Plywood	2 PCcs.
SIDES: 82 3/4" x 43 1/2" x 1/2"	Plywood	4 PCs.
SKIDS: 4" x 4" x 13"	Lumber	6 Blocks

OTHER: Container door and end are assembled using lag bolts, quantity 10, applied at 4" intervals. Nails (type 10d) are used to fasten the skid to base, and 80 nails are used to fasten side to side and front and back. All joints are sealed with a nonhardening caulking compound.

COMMERCIAL SHIPPING CONTAINERS

A. MTMC Approval No: 196A

B. Manufacturer: Container Dynamics N.V.  
Bisschoppenhoflaan 284/BUS 23  
B-2100 Deurne  
Antwerpenf Belgium

C. Testing Facility: Container Dynamics N.V.

D. Date of Testing: Feb 84

E. Outer Size: 86.4"L x 46"W x 84.4"H

F. Tare Weight: 381 lbs

G. Exterior Cube: 194.4 cubic feet

H. Bill of Materials:

TOP:	86.4" x 46" x 11/32"	Plywood	1 Pc.
BASE:	86.4" x 46" x 11/32"	Plywood	1 Pc.
ENDS:	88.4" x 46" x 11/32"	Plywood	2 Pcs.
SIDES:	85" x 43.2" x 11/32"	Plywood	4 Pcs.
SKIDS:	3" x 3" x 16"	Lumber	9 Blocks
	3" x 3" x 3 5/8"	Lumber	2 Blocks

OTHER: Frame: 2 lengthwise plus 2 crosswise edge members with a section of 1 3/5" x 3" (flat) reinforced with 2 plywood panels 1 ft width.

ATTACHMENTS: Bottom, nailed frame, plywood stitched. Sides, plywood stitched to members, nailed to bottom edge. Ends, plywood nailed to corner posts and to bottom edge and upper edge member. Top, plywood nailed to edge members.

The container is secured by 2 metals strappings at equal distances from both end panels.

All joints between prefabricated sections will be sealed with sealing compound.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 196B
- B. Manufacturer: Container Dynamics N.V.  
Bisschoppenhoflaan 284/BUS 23  
B-2100 Deurne  
Antwerpen, Belgium
- C. Testing Facility: Container Dynamics N.V.
- D. Date of Testing: Feb 84
- E. Outer Size: 86 30/32"L x 46 20/32"W x 86 30/32"H
- F. Tare Weight: 388 lbs
- G. Exterior Cube: 205.3 cubic feet
- H. Bill of Materials:

TOP: 3/8" x 46 20/32" x 86 30/32"	Plywood	1 Pc.
BASE: 2 30/32" x 2 30/32" x 3 19/32"	Blocks	2 Blocks
5/8" x 46" x 86 10/32"	Plywood	1 Pc.
5/16" x 11 27/32" x 40 3/32"	Plywood	2 Pcs.
1 18/32" x 2 30/32" x 80 13/32"	Runner	2 Pcs.
1 18/32" x 2 30/32" x 46"	Runner	2 Pcs.
2 30/32" x 2 30/32" x 15 24/32"	Blocks	6 Blocks
OPTIONAL: 5/8" x 46" x 86 10/32"	Plywood	1 Pc.
1 18/32" x 2 30/32" x 80 13/32"	Runner	3 Pcs.
1 18/32" x 2 30/32" x 46"	Runner	2 Pcs.
2 30/32" x 2 30/32" x 15 24/32"	Blocks	9 Blocks
ENDS: 5/16" x 83 20/32" x 46"	Plywood	2 Pcs.
1 18/32" x 2 30/32" x 46"	Runner	2 Pcs.
SLIDES: 5/16" x 43 15/32" x 83 20/32"	Plywood	4 Pcs.
5/16" x 4 17/32" x 78 14/32"	Plywood	2 Pcs.
1 18/32" x 2 30/32" x 83 5/32"	Runner	2 Pcs.
1 18/32" x 2 30/32" x 78 14/32"	Runner	4 Pcs.

OTHER: All above measurements have been converted from metric.

MTMC PAM 55-12

MTMC Approval No: 196B (Continued)

ATTACHMENTS:

BOTTOM: Nailed Frame, Plywood Stitched.

SIDES: Plywood stitched to members, nailed to bottom edge.

ENDS: Plywood, nailed to corner posts and to bottom edge and upper edge member.

TOP: Plywood nailed to top edge member.

ASSEMBLY: Use either screw or shank nails of 3" long. All joints are sealed with a sealing compound. The container is secured by 2 metal strappings at equal distance from both end panels.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 197A
- B. Manufacturer: J. Muller-Zeiner K.G.  
1 Berlin 44  
Nobel Strasse 34, Germany
- C. Testing Facility: Material Research and Testing Laboratory  
Baden-Wurttemberg - Otto - Graf - Institute
- D. Date of Testing: Feb 83
- E. Outer Size: 87.4"L x 45.3"W x 83.5"H
- F. Tare Weight: 427 lbs
- G. Exterior Cube: 191.6 cubic feet
- H. Bill of Materials:

TOP: 87.7" x 45.3" x 5/8"	Plywood	1 Pc.
BASE: 86.5" x 44.5" x 5/8"	Plywood	1 Pc.
ENDS: 82.9" x 44.5" x 1/2"	Plywood	2 Pcs.
SIDES: 87.7" x 82.9" x 3/8"	Plywood	2 Pcs.
SKIDS: 13" x 3.9" x 3.2"	Lumber	4 each, 1 on each corner
21.7" x 3.9" x 3.2"	Lumber	2 each, center of container side

OTHER: The bottom is made of 5-ply pine plywood, reinforced on its lower side longitudinally and transversely extending framing timber (spruce) having a cross section of approx. 3.2" x 1.5".

NOTE: Measurements are converted from metric; therefore, variances may occur.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 197B
- B. Manufacturer: J. Muller-Zeiner K.G.  
1 Berlin 44  
Nobel Strasse 34, Germany
- C. Testing Facility: Material Research and Testing Laboratory  
Baden-Wurttemberg - Otto - Graf - Institute
- D. Date of Testing: Feb 83
- E. Outer Size: 95.7"L x 45.3"W x 83.7"H
- F. Tare Weight: 434 lbs
- G. Exterior Cube: 209.7 cubic feet
- H. Bill of Materials:

TOP: 95.7" x 45.3" x 5/8"	Plywood	1 Pc.
BASE: 94.8" x 44.5" x 5/8"	Plywood	1 Pc.
ENDS: 83.1" x 44.5" x 1/2"	Plywood	2 Pcs.
SIDES: 95.7" x 83.1" x 3/8"	Plywood	2 Pcs.
SKIDS: 15.8" x 3.9" x 3.2"	Lumber	4 each, 1 on each corner
23.6" x 3.9" x 3.2"	Lumber	2 each, center of container side

OTHER: The bottom is made on 4-ply pine plywood reinforced on its lower side with longitudinally and transversely extending from timber (spruce) having a cross section of approximately 3.2" x 1.5".

NOTE: Measurements are converted from metric; therefore, variances may occur.



COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 198A
- B. Manufacturer: Container Systems, Inc.  
P.O. Box 519  
Highway 56  
Franklinton, NC 27525
- C. Testing Facility: STS Consultants Limited
- D. Date of Testing: Apr 84
- E. Outer Size: 87"L x 47"W x 87"H
- F. Tare Weight: 367.8 lb
- G. Exterior Cube: 191.6 cubic feet
- H. Bill of Materials:

TOP: 87" x 47" x 3/8"	Plywood	1 Pc.
BASE: 86 1/4" x 46 1/4" x 3/8"	Plywood	1 Pc.
ENDS: 84 1/4" x 47" x 3/8"	Plywood	2 Pcs.
SIDES: 86 1/4" x 43 1/8" x 3/4"	Plywood	2 Pcs.
SKIDS: 11 1/4" x 3" x 4"	Lumber	9 Pcs.

OTHER: 1/4" x 2 1/4" lag bolts - 12 per end. Assemble with clinch nails. All secures and joints compound at time of assembly.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 198A-1
- B. Manufacturer: Container Systems, Incorporated  
P.O. Box 519  
Highway 56  
Franklinton, NC 27525

C. Testing Facility: N/A

D. Date of Testing: N/A

E. Outer Size: 87"L x 47"W x 87"H

F. Tare Weight: 367.8 LBS

G. Exterior Cube: 191.6 Cubic Feet

H. Bill of Materials:

TOP: 87" x 47" x 3/8	Plywood	1 Pc
BASE: 86 1/4" x 46 1/4" x 3/8"	Plywood	1 Pc
ENDS: 84 1/4" x 47" x 3/8"	Plywood	2 Pcs
SIDES: 86 1/4" x 43 1/8" x 3/4"	Plywood	2 Pcs
SKIDS: 11 1/4" x 3" x 4"	Lumber	9 Pcs

OTHER: 1/4" x 2 1/4": lag bolts - 12 per end. Assemble with 1 1/4" clinch nails. All secures and joints sealed with a latex, non hardening compound at time of assembly.

MODIFICATION: Eliminating the notch on the side of container and changing the ends to 3/8" plywood.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 199A
- B. Manufacturer: Fogarty Wood Products, Inc.  
7th & Charles Street  
Gloucester City, NJ 08030
- C. Testing Facility: Pallet and Container Research Laboratory
- D. Date of Testing: Apr 84
- E. Outer Size: 87"L x 45"W x 85"H
- F. Tare Weight: 409 lbs
- G. Exterior Cube: 193 cubic feet
- H. Bill of Materials:

TOP: 87" x 45" x 5/8"	Plywood	1 Pc.
BASE: 86" x 44 1/4" x 5/8"	Plywood	1 Pc.
ENDS: 83.5" x 45" x 1/2"	Plywood	2 Pcs.
SIDES: 86" x 48" x 3/8"	Plywood	2 Pcs.
SKIDS: 12" x 3" x 4"	Lumber	12 Pcs.

OTHER: Secure along sides, top, bottom, with 2 1/4" screw nails through end into 2x4" every 3" around edge of end, 1 1/2" from edge. Place 2 1/4" screw nails 1 1/2" from edges of top and 3" apart, down into 2x4's on the two sides and two ends.

Caulking: All secures and joints sealed with a latex, nonhardening compound prior to assembly.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 200A
- B. Manufacturer: Premier Containers, Limited  
Whitebirk Industrial Estate  
Blackburn, Lancashire, England
- C. Testing Facility: E.P.S. (Research & Development) Limited
- D. Date of Testing: Nov 84
- E. Outer Size: 86 13/16"L x 46 7/8"W x 86 1/8"H
- F. Tare Weight: 510 lbs
- G. Exterior Cube: 202.8 cubic feet
- H. Bill of Materials:

TOP:	85 7/16" x 47" x 1/2"	Plywood	1 Pc.
BASE:	85 7/16" x 47" x 1/2"	Plywood	1 Pc.
ENDS:	82 7/8" x 47" x 3/8"	Plywood	2 Pcs.
SIDES:	82 5/8" x 42 9/16" x 3/8"	Plywood	2 Pcs.
	81 5/8" x 43 3/8" x 3/8"	Plywood	2 Pcs.

OTHER: Plywood shall be of Indonesian hardwood throughout, bonded together with marine glue. Base, top, end, and side sections shall be fastened together by means of rotary pawl latches which are permanently mounted on the steel channel and frame sections. All pawl latches will be mounted inside the container only. Operation of the pawl latches will be by means of an Allen type or equivalent key. A total of 26 pawl latches will be provided: 6 to fasten the end panel, 2 at the top, and 2 at the bottom of each of 4 side panels. The door shall be fastened to the erected container by means of progressive type pawl latch fasteners which are operated from the outside face of the door by means of a flat screwdriver blade or equivalent tool. A total of 8 pawl latches will be provided spaced approximately along the 4 edges of the door panel. Watertightness shall be maintained without the use of sealants or caulking. Neoprene (or equal) gasket material of sufficient width and thickness shall be used at all points of contact between component sections. The gasket material shall be compressed by the operation of rotary latches and pawl latches to form a watertight seal.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 201A
- B. Manufacturer: White & Company Plc.  
Hillsons Road  
Botley, Southhampton, Hampshire, SO2 2 DY
- C. Testing Facility: EPS (Research & Development) Limited
- D. Date of Testing: Oct 84
- E. Outer Size: 86"L x 62 3/4"W x 96"H
- F. Tare Weight: 784 lbs
- G. Exterior Cube: 299.8 cubic feet
- H. Bill of Materials:

TOP:	62 1/2" x 43 1/4" x 1/2"	Plywood	2 Pcs.
	86 1/2" x 4" x 3/4"	Timber	2 Pcs.
	54 3/4" x 4" x 3/4"	Timber	3 Pcs.
	37" x 4" x 3/4"	Timber	4 Pcs.
	60" x 3" x 2"	Timber	3 Pcs.
BASE:	86" x 4" x 3"	Oak Runners	3 Pcs.
	55" x 4" x 3"	Oak Runners	2 Pcs.
	10" x 4" x 3"	Blocks	7 Pcs.
	60" x 8" x 1"	Boards	9 Pcs.
	83" x 60" x 3/8"	Sheet Plywood	1 Pc.
	24" x 3" x 3"	Timber	4 Pcs.
ENDS:	85" x 3" x 2"	Timber	4 Pcs.
	92" x 30" x 1/2"	Plywood	4 Pcs.
	60" x 4" x 3/4"	Timber	4 Pcs.
	83" x 4" x 3/4"	Timber	6 Pcs.
	24" x 4" x 3/4"	Timber	8 Pcs.
SIDES:	92" x 43" x 1/2"	Plywood	4 Pcs.
	86" x 4" x 3/4"	Timber	4 Pcs.
	83" x 4" x 3/4"	Timber	6 Pcs.
	37" x 4" x 3/4"	Timber	8 Pcs.
OTHER:	49 - 5/16" coach bolts - 49 - 1/2" washers		
	5" round head nails - 3 1/2" round head nails		
	4" round head nails - 2" spot nails		
	All joints caulked		

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 202A
- B. Manufacturer: Kadet Products  
R.R. 3, Box 270  
Elwood, IN 46036
- C. Testing Facility: National Testing Standard
- D. Date of Testing: Apr 85
- E. Outer Size: 45"L x 85 1/8"W x 87 3/8"H
- F. Tare Weight: 350 lbs
- G. Exterior Cube: 175 cubic feet
- H. Bill of Materials:

TOP:	3/8" x 85" x 45"	Plywood	1 Pc.
BASE:	1/2" x 84 1/4" x 44 1/4"	Plywood	1 Pc.
	2" x 4" x 44 1/4"	Lumber	2 Pcs.
	2" x 4" x 37 3/16"	Lumber	3 Pcs.
	2" x 4" x 77 1/4"	Lumber	2 Pcs.
ENDS:	3/8" x 84" x 44 1/4"	Plywood	2 Pcs.
SIDES:	3/8" x 84" x 42 1/2"	Plywood	4 Pcs.
	2" x 4" x 78 1/2"	Lumber	6 Pcs.
	2" x 4" x 8 1/4"	Lumber	2 Pcs.
SKIDS:	2" x 4" x 12"	Lumber	12 Pcs.
OTHER:	3/8" x 3"	Lag Bolts	26
	5/16" x 5"	Bolts	6

Apply a heavy bead of caulking compound to both sides and one end of base. Attach sides to base with three or four No. 8d nails. Install headers at the top of each end between sides with one No. 8d nail at each end of each header. Caulk header and 2x4 frame members at one end in order to effect a seal when installing end panel. Attach end panel with 6 to 10 No. 8d nails as required. Caulk perimeter of top to accept top panel.

COMMERCIAL SHIPPING CONTAINERS

A. MTMC Approval No: 203A

B. Manufacturer: Northeast Container Corporation  
13958 Park Center Drive  
Herndon, VA 22071

C. Testing Facility: National Testing Standards

D. Date of Testing: Apr 85

E. Outer Size: 87 1/2"L x 45"W x 87"H

F. Tare Weight: 385 lbs

G. Exterior Cube: 198 cubic feet

H. Bill of Materials:

TOP:	87 1/2" x 45" x 3/8"	Plywood	1 Pc.
	2 x 4 Joist 44 1/4"	Lumber	2 Pcs.
BASE:	86 3/8" x 44 1/4" x 1/2"	Plywood	1 Pc.
	2" x 4" Header 44 1/4"	Lumber	2 Pcs.
	2" x 4" Sleeper 37 1/4"	Lumber	1 Pc.
	2" x 4" Skids 79 3/4"	Lumber	2 Pcs.
	4" x 4" Blocks 13"	Lumber	6 Pcs.
ENDS:	83" x 44 1/4" x 3/8"	Plywood	2 Pcs.
SIDES:	83" x 43 3/4" x 3/8"	Plywood	4 Pcs.
	2" x 4" Upper Horizontal		2 Pcs.
	Supports 83 3/4"	Lumber	
	2" x 4" Vertical		6 Pcs.
	Supports 77 1/2"	Lumber	
OTHER:	Standard Grade Plywood		
	CDX Exterior Glue		
	Caulking - Alcatraz (Brand Name)		
	Nails - Nails applied at 4" intervals using 10d on skid base and 8d side to side and front and back. Lagbolts applied on door, quantity 10.		

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 204A
- B. Manufacturer: Southland Container Inc. of Maryland  
8320 A Sandy Court  
Jessup, MD 20794
- C. Testing Facility: National Standards Testing, Inc.
- D. Date of Testing: May 85
- E. Outer Size: 87"L x 45"W x 87"H
- F. Tare Weight: 365 lbs
- G. Exterior Cube: 196 cubic feet
- H. Bill of Materials:

TOP: 87" x 45" x 3/8"	Plywood	1 Pc.
BASE: 86 1/4" x 44 1/4" x 5/8"	Plywood	1 Pc.
ENDS: 82 3/4" x 44 1/4" x 3/8"	Plywood	2 Pcs.
SIDES: 82 3/4" x 43 1/2" x 3/8"	Plywood	2 Pcs.
SKIDS: 12" x 3" x 4"	Lumber	12 Pcs.

OTHER: Bracing 2x4 dressed lumber; standard grade CDX plywood. Exterior glue, caulking-DAP (Brand Name). Nails (16d) base to skid common nail, 6d side to side, front and back. Fasteners-lagbolts applied on door, quantity (10). Nails applied at 6" intervals using 16d on skid to base, and 6d side to side and front and back.



COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 205A
- B. Manufacturer: Aalcon Manufacturing Corporation  
6304-A Gravel Avenue  
Alexandria, VA 22310
- C. Testing Facility: National Standards Testing Inc,
- D. Date of Testing: Apr 85
- E. Outer Size: 87"L x 86 3/4"H x 45 1/4"W
- F. Tare Weight: 365 lbs
- G. Exterior Cube: 197.6 cubic feet
- H. Bill of Materials:

TOP: 87" x 45" x 3/8"	Plywood	1 Pc.
BASE: 86 1/4" x 44 1/4" x 5/8"	Plywood	1 Pc.
ENDS: 82 3/4" x 44 1/4" x 3/8"	Plywood	2 Pcs.
SIDES: 82 3/4" x 43 1/2" x 3/8"	Plywood	2 Pcs.
SKIDS: 12" x 3" x 4"	Lumber	12 Pcs.

OTHER: Bracing 2x4 dressed lumber; standard grade plywood, CDX. Exterior glue, caulking-DAP (Brand Name).  
Nails - 16d base to skid common nail, 6d side to side, front and back. Fastener – lagbolts applied on door, quantity (10). Nails applied at 6" intervals using 16d on skid to base and 6d side to side and front and back.

COMMERCIAL SHIPPING CONTAINERS

A. MTMC Approval No: 206A

B. Manufacturer: El Paso Container Manufacturing Company  
1033 Humble Street, Suite 214  
El Paso, TX 79915

C. Testing Facility: National Testing Standards, Inc.

D. Date of Testing: Jul 85

E. Outer Size: 87"L x 45"W x 87"H

F. Tare Weight: 395 lbs

G. Exterior Cube: 198 cubic feet

H. Bill of Materials:

TOP:	5/8" x 45" x 87"	Plywood	1 Pc.
	2" x 4" x 44 1/4"	Lumber	2 Pcs.
BASE:	5/8" x 44 1/4" x 86"	Plywood	1 Pc.
	2" x 4" x 44 1/4"	Lumber	2 Pcs.
	2" x 4" x 79"	Lumber	2 Pcs.
	2" x 4" x 37 1/4"	Lumber	3 Pcs.
	4" x 4" x 12"	Lumber	9 Pcs.

HARDWARE

FOR BASE:	3 1/2" x 11 1/4"	GA screw nail	As Req.
	3/8" x 4 1/2"	Lag screw	As Req.

ENDS:	1/2" x 44 1/2" x 82 7/8"	Plywood	1 Pc.
DOOR:	1/2" x 44 1/2" x 82 7/8"	Plywood	1 Pc.

HARDWARE

FOR DOOR:	3/8" x 2"	Lag screw & washer	14 Pcs.
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SIDES:	3/8" x 48" x 82 7/8"	Plywood	2 Pcs.
	3/8" x 39" x 82 7/8"	Plywood	2 Pcs.
	3/8" x 8 7/8" x 77"	Plywood	2 Pcs.
	2" x 4" x 83"	Lumber	2 Pcs.
	2" x 4" x 77 1/4"	Lumber	4 Pcs.

OTHER: The sides and top are caulked during manufacture. All other seams will be caulked during the assembly process using a nonhardening caulking compound.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 207A
- B. Manufacturer: Tuscarora Incorporated  
1255 Champion Circle  
Carrollton, TX 75006
- C. Testing Facility: National Testing Standards, Inc.
- D. Date of Testing: Aug 85
- E. Outer Size: 85"L x 45"W x 87"H
- F. Tare Weight: 365 lbs
- G. Exterior Cube: 192.57 cubic feet
- H. Bill of Materials:

TOP:	85" x 45" x 3/8"	Plywood	1 Pc.
BASE:	84 1/4" x 44 1/4" x 1/2"	Plywood	1 Pc.
	44 1/4" x 2" x 4"	Lumber	2 Pcs.
	77 1/4" x 2" x 4"	Lumber	2 Pcs.
	37 1/4" x 2" x 4"	Lumber	3 Pcs.
	12" x 2" x 4"	Lumber	12 Pcs.
ENDS:	85 5/8" x 45" x 3/8"	Plywood	2 Pcs.
	44 1/4" x 2" x 4"	Lumber	2 Pcs.
SIDES:	84 1/4" x 83 5/8" x 3/8"	Plywood	2 Pcs.
	81 1/8" x 2" x 4"	Lumber	2 Pcs.
	78 1/8" x 2" x 4"	Lumber	4 Pcs.
	78 1/8" x 5" x 3/8"	Plywood Splice	2 Pcs.

OTHER: Container requires the use of 8D joints coated or chemically etched box nails placed every 4" on center for assembly of the two sides, end, and top panels. Panels will be caulked prior to nailing with at least a 1/4"-3/8" "bead" to ensure that the caulking will flatten and seal properly under nail pressure. The door (one end) will be caulked prior to placement of 16 self-tapping "tek screws" around its perimeter. Fender washers will be placed under the heads of the screws prior to closure.

COMMERCIAL SHIPPING CONTAINERS

A. MTMC Approval No: 207B

B. Manufacturer: Tuscarora Incorporated  
1255 Champion Circle  
Carrollton, TX 75006

C. Testing Facility: National Testing Standards, Inc.

D. Date of Testing: Aug 85

E. Outer Size: 87"L x 45"W x 87"H

F. Tare Weight: 370 lbs

G. Exterior Cube: 197.1 cubic feet

H. Bill of Materials:

TOP:	87" x 45" x 3/8"	Plywood	1 Pc.
BASE:	86 1/4" x 44 1/4" x 1/2"	Plywood	1 Pc.
	44 1/4" x 2" x 4"	Lumber	2 Pcs.
	79 1/4" x 2" x 4"	Lumber	2 Pcs.
	37 1/4" x 2" x 4"	Lumber	3 Pcs.
	12" x 2" x 4"	Lumber	12 Pcs.
ENDS:	83 5/8" x 45" x 3/8"	Plywood	2 Pcs.
	44 1/4" x 2" x 4"	Lumber	2 Pcs.
SIDES:	86 1/4" x 83 5/8" x 3/8"	Plywood	2 Pcs.
	83 1/8" x 2" x 4"	Lumber	2 Pcs.
	78 1/8" x 2" x 4"	Lumber	4 Pcs.
	78 1/8" x 5" x 3/8"	Plywood Splice	2 Pcs.

OTHER: Container requires the use of 8d joints coated or chemically etched box nails placed every 4" on center for assembly of the two sides, end, and top panels. Panels will be caulked prior to nailing with at least a 1/4"-3/8" "bead" to ensure that the caulking will flatten and seal properly under nail pressure. The door (one end) will be caulked prior to placement of 16 self tapping 'tek screws" around its perimeter. Fender washers will be placed under the heads of the screws prior to closure.

COMMERCIAL SHIPPING CONTAINERS

A. MTMC Approval No: 208A

B. Manufacturer: APEX Brokerage Corporation  
RMI Bldg.  
2111 Pasong Tamo Corner Tindale Street  
MAKATI, Metro Manila, Philippines

C. Testing Facility: R.J. Del Pan and Company, Inc.  
Manila, Philippines

D. Date of Testing: Mar 86

E. Outer Size: 85"L x 45"W x 87"H

F. Tare Weight: 398 lbs

G. Exterior Cube: 193 cubic feet

H. Bill of Materials:

TOP:	1/2" x 45" x 85"	Plywood	1 Pc.
	2" x 3" x 44 1/4"	Lumber	2 Pcs.
	2" x 3" x 78 1/4"	Lumber	2 Pcs.
BASE:	5/8" x 44 1/4" x 84 1/4"	Plywood	1 Pc.
	2" x 3" x 44 1/4"	Lumber	2 Pcs.
	2" x 3" x 38 1/4"	Lumber	2 Pcs.
	2" x 3" x 78 1/4"	Lumber	2 Pcs.
ENDS:	3/8" x 44 1/4" x 83 1/2"	Plywood	2 Pcs.
SIDES:	3/8" x 42 1/2" x 83 1/2"	Plywood	4 Pcs.
	3/8" x 5 1/2" x 78 7/8"	Plywood	2 Pcs.
	2" x 3" x 78 7/8"	Lumber	4 Pcs.
SKIDS:	3" x 4" x 16"	Lumber	6 Pcs.

OTHER: Side panels are one piece made up of 2 pcs plywood butted together. The joints are caulked and covered with a plywood panel 3/8" x 5 1/2" x 78 7/8". Container is of plywood, constructed with 2" x 3" reinforcing. All plywood panels are fastened to the frame members by common nails 1 1/2" long for side panels. Common wire nails 2" long for roof panel and floor panels. Utilize 36 pcs. Lagbolt 5/16" x 1 1/2" for assembly of side and end panels, quantity 36.

COMMERCIAL SHIPPING CONTAINERS

A. MTMC Approval No: 209A

B. Manufacturer: Alaska Crating and Banding  
2600 Denali Street, Suite 600  
Anchorage, AK 99503

C. Testing Facility: National Testing Standards, Inc.

D. Date of Testing: Mar 87

E. Outer Size: 90"L x 45 5/8"W x 87 1/2"H

F. Tare Weight: 380 lbs

G. Exterior Cube: 208 cubic feet

H. Bill of Materials:

TOP:	1/2" x 45" x 90"	Plywood	1 Pc.
	2" x 4" x 44 1/4"	Lumber	2 Pcs.
BASE:	5/8" x 44 1/4" x 89"	Plywood	1 Pc.
	2" x 4" x 44 1/4"	Lumber	2 Pcs.
	2" x 4" x 82"	Lumber	2 Pcs.
	2" x 4" x 37 1/4"	Lumber	2 Pcs.
	2" x 4" x 12"	Lumber	12 Pcs.
BASE	10d	Ring Shank	As Req.
HARDWARE:	6d	Ring Shank	As Req.
ENDS:	1/2" x 44 1/4" x 84"	Plywood	1 Pc.
DOOR:	1/2" x 44 1/4" x 84"	Plywood	1 Pc.
DOOR			
HARDWARE:	3/8" x 2"	Lag Screw & washer	14 Pcs.
SIDES:	3/8" x 48" x 84"	Plywood	2 Pcs.
	3/8" x 42" x 84"	Plywood	2 Pcs.
	1" x 4" x 78 1/2"	Lumber	2 Pcs.
	2" x 4" x 86"	Lumber	2 Pcs.
	2" x 4" x 78 1/2"	Lumber	4 Pcs.

MTMC Approval No: 209A (Continued)

OTHER: Caulking - The sides and top have been caulked during manufacture. All other seams will be caulked during the assembly process using a nonhardening caulking compound.

Assembly Instructions. Place base on flat surface feet side down. Attach one side to base using 5D-1 3/4" roofing nails on approximately 9" centers making sure 2x4 is resting on base and flush with end. Attach other side to back using 5D-1 3/4" roofing nails. Place 2" x 4" x 44 1/4" header at each end of box. Affix using 6D-2" ring shank of spiral type nails on 9" center. Attach back to side using 5D-1 3/4" roofing nails on approximately 9" centers. Attach side and back to base using 5D-1 3/4" roofing nails. Place top on container and affix with 6D-2" ring shank. Place two 3/4" x .020 banding straps around box making sure they are directly under 2x4 base stringers. Caulk and attach front with 2" lag bolts (14 per container).

COMMERCIAL SHIPPING CONTAINERS

A. MTMC Approval No: 209B

B. Manufacturer: Alaska Crating and Banding  
2600 Denali Street, Suite 600  
Anchorage, AK 99503

C. Testing Facility: N/A

D. Date of Testing: N/A

E. Outer Size: 90"L x 45 5/8"W x 87"H

F. Tare Weight: 338 lbs

G. Exterior Cube: 207 cubic feet

H. Bill of Materials:

TOP:	1/2" x 45" x 87"	Plywood	1 Pc.
	2" x 4" x 44 1/4"	Lumber	2 Pcs.
BASE:	5/8" x 44 1/4" x 86"	Plywood	1 Pc.
	2" x 4" x 44 1/4"	Lumber	2 Pcs.
	2" x 4" x 83"	Lumber	2 Pcs.
	2" x 4" x 37 1/4"	Lumber	2 Pcs.
	2" x 4" x 12"	Lumber	12 Pcs.
BASE	10d	Ring Shank	As Req.
HARDWARE:	6d	Ring Shank	As Req.
ENDS:	1/2" x 44 1/4" x 84"	Plywood	1 Pc.
DOOR:	1/2" x 44 1/16" x 84"	Plywood	1 Pc.
DOOR			
HARDWARE:	3/8" x 2"	Lag Screw & washer	14 Pcs.
SIDES:	3/8" x 39" x 84"	Plywood	2 Pcs.
	3/8" x 48" x 84"	Plywood	2 Pcs.
	1" x 4" x 78 3/8"	Lumber	2 Pcs.
	2" x 4" x 79"	Lumber	2 Pcs.
	2" x 4" x 78 3/8"	Lumber	4 Pcs.



MTMC Approval No: 209B (Continued)

OTHER: Caulking - The sides and top have been caulked during manufacture. All other seams will be caulked during the assembly process using a nonhardening caulking compound.

Assembly Instructions. Place base on flat surface, feet side down. Attach one side to base using 5D-1 3/4" roofing nails on approximately 9" centers making sure 2x4 is resting on base and flush with end. Attach other side to back using 5D-1 3/4" roofing nails. Place 2" x 4" x 44 1/4" header at each end of box. Affix using 6D-2" ring shank of spiral type nails on 9" center. Attach back to side using 5D-1 3/4" roofing nails on approximately 9" centers. Attach side and back to base using 5D-1 3/4" roofing nails. Place top on container and affix with 6D-2" ring shank. Place two 3/4" x .020 banding straps around box making sure they are directly under 2x4 base stringers. Caulk and attach front with 2" lag bolts (14 per container).

COMMERCIAL SHIPPING CONTAINERS

A. MTMC Approval No: 209C

B. Manufacturer: Alaska Crating and Banding  
2600 Denali Street, Suite 600  
Anchorage, AK 99503

C. Testing Facility: N/A

D. Date of Testing: N/A

E. Outer Size: 90"L x 45 1/4"W x 87"H

F. Tare Weight: 370 lbs

G. Exterior Cube: 205 cubic feet

H. Bill of Materials:

TOP:	1/2" x 45 1/4" x 87"	Plywood	1 Pc.
	2" x 4" x 44 1/4"	Lumber	2 Pcs.
BASE:	5/8" x 44 1/4" x 86"	Plywood	1 Pc.
	2" x 4" x 44 1/4"	Lumber	2 Pcs.
	2" x 4" x 83"	Lumber	2 Pcs.
	2" x 4" x 37 1/4"	Lumber	2 Pcs.
	2" x 4" x 12"	Lumber	12 Pcs.
BASE	10d	Ring Shank	As Req.
HARDWARE:	6d	Ring Shank	As Req.
ENDS:	1/2" x 44 1/4" x 84"	Plywood	1 Pc.
DOOR:	1/2" x 44 1/16" x 84"	Plywood	1 Pc.
DOOR			
HARDWARE:	3/8" x 2"	Lag Screw & washer	14 Pcs.
SIDES:	3/8" x 39" x 84"	Plywood	2 Pcs.
	3/8" x 48" x 84"	Plywood	2 Pcs.
	1" x 4" x 78 3/8"	Lumber	2 Pcs.
	2" x 4" x 78 3/8"	Lumber	4 Pcs.
	2" x 4" x 79"	Lumber	2 Pcs.

MTMC Approval No: 209C (Continued)

OTHER: Caulking - The sides and top have been caulked during manufacture. All other seams will be caulked during the assembly process using a nonhardening caulking compound.

Assembly Instructions. Place base on flat surface, feet side down. Attach one side to base using 5D-1 3/4" roofing nails on approximately 9" centers making sure 2x4 is resting on base and flush with end. Attach other side to back using 5D-1 3/4" roofing nails. Place 2" x 4" x 44 1/4" header at each end of box. Affix using 6D-2" ring shank of spiral type nails on 9" center. Attach back to side using 5D-1 3/4" roofing nails on approximately 9" centers. Attach side and back to base using 5D-1 3/4" roofing nails. Place top on container and affix with 6D-2" ring shank. Place two 3/4" x .020 banding straps around box making sure they are directly under 2x4 base stringers. Caulk and attach front with 2" lag bolts (14 per container)

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 210A
- B. Manufacturer: Relo Container Corporation  
1-148 Hammerly, Box 217  
Houston, TX 77080
- C. Testing Facility: N/A
- D. Date of Testing: N/A
- E. Outer Size: 87"L x 45"W x 87"H
- F. Tare Weight: 475 lbs
- G. Exterior Cube: 198 cubic feet
- H. Bill of Materials:

TOP & FRAME:	87 1/8" x 45" x 1/2" 44 1/4" x 1 1/2" x 3 1/2"	Plywood #2 Yellow Pine	1 Pc. 2 Pcs.
BASE:	86" x 5/8" x 44 1/4" 44 1/4" x 1 1/2" x 3 1/2" 37 3/4" x 1 1/2" x 3 1/2" 12" x 1 1/2" x 3 1/2"	Plywood #2 Yellow Pine #2 Yellow Pine #2 Yellow Pine	1 Pc. 3 Pcs. 4 Pcs. 12 Pcs.
BASE HARDWARE:	3/8" x 5" 9/16" 1" 2" x 2" x 38" 3/8" x 1 1/2"	GA Carriage Bolts Nuts Washers 12 Gauge Steel Hex Lag Screws	12 Pcs. 12 Pcs. 12 Pcs. 1 Pc. 3 Pcs.
BACK:	83 1/8" x 44 1/4" x 1/2"	Plywood	1 Pc.
DOOR:	82 7/8" x 44" x 1/2"	Plywood	1 Pc.
DOOR HARDWARE:	82 7/8" Channeled 2" x 1/2" x 2" 44 1/4" Channeled 2" x 1/2" x 2" 3/8" x 2"      Hex Lag Screws	16 Gauge Steel 16 Gauge Steel	2 Pcs. 1 Pc. 8 Pcs.

## MTMC Approval No: 210A (Continued)

SIDES:	39 1/8" x 3/8" x 83 1/2"	Plywood	2 Pcs.
	48" x 3/8" x 83 1/8"	Plywood	2 Pcs.
	9" x 3/8" x 78 5/8"	Plywood	2 Pcs.
	82 1/2" x 1 1/2" x 3 1/2"	#2 Yellow Pine	2 Pcs.
	77 7/8" x 1 1/2" x 3 1/2"	#2 Yellow Pine	4 Pcs.
SIDE	3/8" x 2"	Hex Lag Screws	10 Pcs.
HARDWARE:	3/8" x 2"	Fender Washers	10 Pcs.

RELO COATING: 8 gal. per container (Weight 10 lbs./gal.)

ADHESIVE: Exterior Aliphatic (Brand Name) Resin Glue

ASSEMBLY PROCEDURES: All wood to wood surfaces are to be bonded together with an aliphatic resin glue. After resin is applied, wood members are to be immediately fastened together with a staggered pattern or screw type nails and/or staples not less than 2" apart with the greater concentration at the points of stress. Rubbing strips are to be secured to the container base by 2 3/8" x 5" round head carriage type bolts. Bolt should be countersunk 1/2" in base of floor using minimum diameter holes of 1" to accommodate nut and washer and a 9/16" socket. Container is to be coated with a RELO coating to all internal and external seams and surfaces making container weatherized. Door is pre-assembled with bolts and nail holes predrilled in galvanized door channel. Lag screws and washers may be installed after or prior to the coating process. Holes for lag screws are to be predrilled.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 210B
- B. Manufacturer: Relo Container Corporation  
1-148 Hammerly, Box 217  
Houston, TX 77080
- C. Testing Facility: N/A
- D. Date of Testing: N/A
- E. Outer Size: 87"L x 45"W x 87"H
- F. Tare Weight: 467 lbs
- G. Exterior Cube: 192 cubic feet
- H. Bill of Materials:

TOP & FRAME:	85 1/8" x 45" x 1/2" 44 1/4" x 1 1/2" x 3 1/2"	Plywood #2 Yellow Pine	1 Pc. 2 Pcs.
BASE:	84" x 5/8" x 44 1/4" 44 1/4" x 1 1/2" x 3 1/2" 36 3/4" x 1 1/2" x 3 1/2" 12" x 1 1/2" x 3 1/2"	Plywood #2 Yellow Pine #2 Yellow Pine #2 Yellow Pine	1 Pc. 3 Pcs. 4 Pcs. 12 Pcs.
BASE HARDWARE:	3/8" x 5" 9/16" 1" 2" x 2" x 38" 3/8" x 1 1/2"	GA Carriage Bolts Nuts Washers 12 Gauge Steel Hex Lag Screws	12 Pcs. 12 Pcs. 12 Pcs. 1 Pc. 3 Pcs.
BACK:	83 1/8" x 44 1/4" x 1/2"	Plywood	1 Pc.
DOOR:	82 7/8" x 44" x 1/2"	Plywood	1 Pc.
DOOR HARDWARE:	82 7/8" Channeled 2" x 1/2" x 2" 44 1/4" Channeled 2" x 1/2" x 2" 3/8" x 2"                      Hex Lag Screws	16 Gauge Steel 16 Gauge Steel	2 Pcs. 1 Pc. 8 Pcs.

## MTMC Approval No: 210B (Continued)

SIDES:	39 1/8" x 3/8" x 83 1/2"	Plywood	2 Pcs.
	46" x 3/8" x 83 1/8"	Plywood	2 Pcs.
	9" x 3/8" x 77 5/8"	Plywood	2 Pcs.
	80 1/2" x 1 1/2" x 3 1/2"	#2 Yellow Pine	2 Pcs.
	77 7/8" x 1 1/2" x 3 1/2"	#2 Yellow Pine	4 Pcs.
SIDE	3/8" x 2"	Hex Lag Screws	10 Pcs.
HARDWARE:	3/8" x 2"	Fender Washers	10 Pcs.

RELO COATING: 8 gal. per container (Weight 10 lbs./gal.)

ADHESIVE: Exterior Aliphatic (Brand Name) Resin Glue

ASSEMBLY PROCEDURES: All wood to wood surfaces are to be bonded together with an aliphatic resin glue. After resin is applied, wood members are to be immediately fastened together with a staggered pattern or screw type nails and/or staples not less than 2" apart with the greater concentration at the points of stress. Rubbing strips are to be secured to the container base by 2 3/8" x 5" round head carriage type bolts. Bolt should be countersunk 1/2" in base of floor using minimum diameter holes of 1" to accommodate nut and washer and a 9/16" socket. Container is to be coated with a RELO coating to all internal and external seams and surfaces making container weatherized. Door is pre-assembled with bolts and nail holes predrilled in galvanized door channel. Lag screws and washers may be installed after or prior to the coating process. Holes for lag screws are to be predrilled.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 211A
- B. Manufacturer: D. M. Nazareno and Sons, Inc.  
2317 Aurora Blvd., Pasay City  
Metro Manila, Philippines
- C. Testing Facility: R.J. Del Pan & Company, Inc.  
Manila, Philippines
- D. Date of Testing: Mar 87
- E. Outer Size: 87"L x 47"W x 87"H
- F. Tare Weight: 429 lbs
- G. Exterior Cube: 206 cubic feet
- H. Bill of Materials:

TOP:	87" x 47" x 1/2"	Plywood	1 Pc.
	2" x 4" x 46 1/4"	Lumber	2 Pcs.
BASE:	86 1/4" x 46 1/4" x 1/2"	Plywood	1 Pcs.
	2" x 4" x 46 1/4"	Lumber	2 Pcs.
	2" x 4" x 78 1/4"	Lumber	3 Pcs.
	2" x 4" x 17 1/8"	Lumber	4 Pcs.
	2" x 4" x 16"	Lumber	9 Pcs.
ENDS:	83 1/2" x 46 1/4" x 3/8"	Plywood	2 Pcs.
SIDES:	83 1/2" x 43 1/2" x 3/8"	Plywood	2 Pcs.
	77" x 9" x 3/8"	Plywood	1 Pc.
	2" x 4" x 79"	Lumber	2 Pcs.
	2" x 4" x 78 1/4"	Lumber	1 Pc.

OTHER: Container requires the use of 8d, 10d, 16d, and 20d nails. All nails are about 6" on center. Caulking compound will be used at all seams and sealant will be applied to all abutted wood edges.



COMMERCIAL SHIPPING CONTAINERS

A. MTMC Approval No: 211B

B. Manufacturer: D. M. Nazareno and Sons, Inc.  
2317 Aurora Blvd., Pasay City  
Metro Manila, Philippines

C. Testing Facility: R.J. Del Pan & Company, Inc.  
Manila, Philippines

D. Date of Testing: Mar 87

E. Outer Size: 85"L x 45"W x 87"H

F. Tare Weight: 418 lbs

G. Exterior Cube: 193 cubic feet

H. Bill of Materials:

TOP:	85" x 45" x 1/2"	Plywood	1 Pc.
	2" x 4" x 44 1/2"	Lumber	2 Pcs.
BASE:	84 1/4" x 44 1/4" x 1/2"	Plywood	1 Pc.
	2" x 4" x 44 1/4"	Lumber	2 Pcs.
	2" x 4" x 76 1/4"	Lumber	3 Pcs.
	2" x 4" x 16"	Lumber	4 Pcs.
	2" x 4" x 16 1/8"	Lumber	9 Pcs.
ENDS:	83 1/2" x 44 1/4" x 3/8"	Plywood	2 Pcs.
SIDES:	83 1/2" x 42 1/2" x 3/8"	Plywood	2 Pcs.
	77" x 9" x 3/8"	Plywood	1 Pc.
	2" x 4" x 76 1/4"	Lumber	2 Pcs.
	2" x 4" x 79"	Lumber	1 Pc.

OTHER: Container requires the use of 8d, 10d, 16d, and 20d nails. All nails are about 6" on center. Caulking compound will be used at all seams and sealant will be applied to all abutted wood edges.

COMMERCIAL SHIPPING CONTAINERS

A. MTMC Approval No: 212A

B. Manufacturer: Gurnett Lyons (P.B.) Company, Ltd.  
23 Thames Road, Barking  
Essex IG110HT, United Kingdom

C. Testing Facility: EPS Logistics Technology Limited  
Sittingbourne, Kent

D. Date of Testing: Mar 87

E. Outer Size: 87"L x 46 1/2"W x 87 3/8"H

F. Tare Weight: 380 lbs

G. Exterior Cube: 204.6 cubic feet

H. Bill of Materials:

TOP:	87" x 46 1/2" x 3/8"	Plywood	1 Pc.
	45 3/4" x 3" x 1 1/2"	Lumber	2 Pcs.
BASE:	86 1/4" x 45 3/4" x 1/2"	Plywood	1 Pc.
	18 3/8" x 10" x 1/2"	Plywood	4 Pcs.
	80 1/4" x 3" x 1 1/2"	Lumber	3 Pcs.
	45 3/4" x 3" x 1 1/2"	Lumber	2 Pcs.
	15 3/4" x 3" x 3"	Lumber	7 Pcs.
	6" x 3" x 3"	Lumber	2 Pcs.
BASE HARDWARE:	1 1/2"	Ring Shank Nails	As Required
END:	84" x 45 3/4" x 3/8"	Plywood	1 Pc.
DOOR:	84" x 45 3/4" x 3/8"	Plywood	1 Pc.
DOOR HARDWARE:	3/8" x 3"	Coach Screw & Washer	14 Pcs.
SIDES:	87" x 84" x 3/8"	Plywood	2 Pcs.
	83 1/4" x 3" x 1 1/2"	Lumber	2 Pcs.
	79" x 3" x 1 1/2"	Lumber	6 Pcs.

MTMC Approval No: 212A (Continued)

OTHER: Assembly Instructions: Place base on floor with plywood facing upwards. Place sides upright on the base so plywood overlaps the base, and the upright rests on the plywood portion of the base. Place top in position so that sides can be nailed or stapled to the sides. Put the end in place and nail or staple it to the base, sides, and top. Put the door in place and secure it to the base, sides, and top with coach screws. All seams must be caulked during the assembly process using a nonhardening compound.

COMMERCIAL SHIPPING CONTAINERS

A. MTMC Approval No: 212B

B. Manufacturer: Gurnett Lyons (P.B.) Company, Ltd.  
23 Thames Road, Barking  
Essex IG110HT, United Kingdom

C. Testing Facility: EPS Logistics Technology Limited  
Sittingbourne, Kent

D. Date of Testing: Mar 87

E. Outer Size: 84 7/8"L x 45"W x 87 1/4"H

F. Tare Weight: 350 lbs

G. Exterior Cube: 193.1 cubic feet

H. Bill of Materials:

TOP:	85" x 45" x 3/8"	Plywood	1 Pc.
	44 1/4" x 3" x 1 1/2"	Lumber	2 Pcs.
BASE:	84 1/4" x 44 1/4" x 1/2"	Plywood	1 Pc.
	17 3/4" x 10" x 1/2"	Plywood	4 Pcs.
	78 1/4" x 3" x 1 1/2"	Lumber	3 Pcs.
	44 1/4" x 3" x 1 1/2"	Lumber	2 Pcs.
	15 3/4" x 3" x 3"	Lumber	7 Pcs.
	6" x 3" x 3"	Lumber	2 Pcs.
BASE HARDWARE:	1 1/2"	Ring Shank Nails	As Required
END:	84" x 44 1/4" x 1/2"	Plywood	1 Pc.
DOOR:	84" x 44 1/4" x 1/2"	Plywood	1 Pc.
DOOR HARDWARE:	3/8" X 3"	Coach Screw & Washer	14 Pcs.
SIDES:	85" x 84" x 3/8"	Plywood	2 Pcs.
	81 1/4" x 3" x 1 1/2"	Lumber	2 Pcs.
	79" x 3" x 1 1/2"	Lumber	6 Pcs.

MTMC Approval No: 212B (Continued)

OTHER: Assembly Instructions: Place base on floor with plywood facing upwards. Place sides upright on the base so plywood overlaps the base, and the upright rests on the plywood portion of the base. Place top in position so that sides can be nailed or stapled to the sides. Put the end in place and nail or staple it to the base, sides, and top. Put the door in place and secure it to the base, sides, and top with coach screws. All seams must be caulked during the assembly process using a nonhardening compound.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 213A
- B. Manufacturer: Hunter Enterprises  
1230 Friendly Lane  
Anchorage, AK 99504-2026
- C. Testing Facility: National Testing Standard, Inc.
- D. Date of Testing: Jul 87
- E. Outer Size: 87"L x 88"H x 44"W
- F. Tare Weight: 320 lbs
- G. Exterior Cube: 194.9 cubic feet
- H. Bill of Materials:

TOP:	88" x 44 3/4" x 1/2" 2" x 4" x 44"	Plywood Lumber	1 Pc. 2 Pcs.
BASE:	87" x 44" x 5/8" 2" x 4" x 44" 2" x 4" x 38 1/4" 2" x 4" x 12"	Plywood Lumber Lumber Lumber	1 Pc. 3 Pcs. 3 Pcs. 18 Pcs.
BASE	3 1/2" (11 1/4 Gauge)	Screw Nail	As Required
HARDWARE:	3/8" x 4 1/2"	Lag Screws	As Required
END:	84" x 44" x 1/2"	Plywood	1 Pc.
SIDES:	86" x 44" x 3/8" 1" x 4" x 78 1/2" 2" x 4" x 84" 2" x 4" x 78 1/2"	Plywood Lumber Lumber Lumber	4 Pcs. 2 Pcs. 2 Pcs. 4 Pcs.
DOOR:	84" x 44" x 1/2"	Plywood	1 Pc.
DOOR			
HARDWARE:	3/8" x 2"	Lag Screws	14 Pcs.

OTHER: Assembly Instructions: Place base on flat surface, plywood side up. Place bead of liquid nail type caulk adhesive on top of 2x4, located at top side, where top is to be placed.

## MTMC Approval No: 213A (Continued)

Attach one side to base using 6d 2" nails on approximately 9" center making sure 2x4 is resting on base and flush with end. Repeat steps using other side. Place bead of liquid nail type caulk adhesive on top of 2" x 4" x 44" header where top is to be placed. Place 2" x 4" x 44" header at each end of container. Affix using 10d 3" nails, 2 per corner. Place bead of liquid nail type caulk adhesive on back of 2x4 edge where back is to be placed. Attach back to side and base using 6d 2" nails on approximately 9" center making sure it is flush at top edge. Place top of container and affix 6d 2" nails on approximately 9" centers making sure sides and ends are flush. Caulk interior at all edges where 2x4 and 1x4 meet plywood using a siliconized type latex caulk, except where sides meet base. Caulk and attach front to container with 2" x 3/8" lag bolts (14 per container). Place 2 3/4" x .020 banding straps around container at center of forklift on forklift notchouts. Place 2 3/4" x .020 straps horizontally around container and label.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 213B
- B. Manufacturer: Hunter Enterprises  
1230 Friendly Lane  
Anchorage, AK 99504-2026
- C. Testing Facility: National Testing Standard, Inc.
- D. Date of Testing: Jul 87
- E. Outer Size: 87"L x 88"H x 45"W
- F. Tare Weight: 352 lbs
- G. Exterior Cube: 199.4 cubic feet
- H. Bill of Materials:

TOP:	88" x 45" x 1/2"	Plywood	1 Pc.
	2" x 4" x 44"	Lumber	2 Pcs.
BASE:	87" x 44" x 5/8"	Plywood	1 Pc.
	2" x 4" x 44"	Lumber	3 Pcs.
	2" x 4" x 38 1/4"	Lumber	3 Pcs.
	2" x 4" x 12"	Lumber	18 Pcs.
BASE	3 1/2" (11 1/4 Gauge)	Screw Nail	As Required
HARDWARE:	3/8" x 4 1/2"	Lag Screws	As Required
END:	84" x 44" x 1/2"	Plywood	1 Pc.
SIDES:	86" x 44" x 1/2"	Plywood	4 Pcs.
	1" x 4" x 78 1/2"	Lumber	2 Pcs.
	2" x 4" x 84"	Lumber	2 Pcs.
	2" x 4" x 78 1/2"	Lumber	4 Pcs.
DOOR:	84" x 44" x 1/2"	Plywood	1 Pc.
DOOR HARDWARE:	3/8" x 2"	Lag Screws	14 Pcs.

OTHER: Assembly Instructions: Place base on flat surface, plywood side up. Place bead of liquid nail type caulk adhesive on top of 2x4, located at top side, where top is to be placed.



## MTMC Approval No: 213B (Continued)

Attach one side to base using 6d 2" nails on approximately 9" center making sure 2x4 is resting on base and flush with end. Repeat steps using other side. Place bead of liquid nail type caulk adhesive on top of 2" x 4" x 44" header where top is to be placed. Place 2" x 4" x 44" header at each end of container. Affix using 10d 3" nails, 2 per corner. Place bead of liquid nail type caulk adhesive on back of 2x4 edge where back is to be placed. Attach back to side and base using 6d 2" nails on approximately 9" center making sure it is flush at top edge. Place top of container and affix 6d 2" nails on approximately 9" centers making sure sides and ends are flush. Caulk interior at all edges where 2x4 and 1x4 meet plywood using a siliconized type latex caulk, except where sides meet base. Caulk and attach front to container with 2" x 3/8" lag bolts (14 per container). Place 2 3/4" x .020 banding straps around container at center of forklift on forklift notchouts. Place 2 3/4" x .020 straps horizontally around container and label.

COMMERCIAL SHIPPING CONTAINERS

A. MTMC Approval No: 214A

B. Manufacturer: Donnybrook Building Supply  
P.O. Box 60509  
Fairbanks, AK 99706

C. Testing Facility: National Testing Standards, Inc.

D. Date of Testing: May 88

E. Outer Size: 85"L x 45"W x 87"H

F. Tare Weight: 290 lbs

G. Exterior Cube: 192.6 cubic feet

H. Bill of Materials:

TOP:	84" x 44 1/4" x 1/2" 2" x 4" (Nom.) x 44 1/4"	CDX Plywood #2 & Btr SPF Lumber	1 Pc. 2 Pcs.
BASE:	84" x 44 1/4" x 5/8" 2" x 4" (Nom.) x 77" 2" x 4" (Nom.) x 44 1/4" 2" x 4" (Nom.) x 12"	CDX Plywood #2 & Btr SPF Lumber #2 & Btr SPF Lumber #2 & Btr SPF Lumber	1 Pc. 3 Pcs. 2 Pcs. 18 Pcs.
ENDS:	84" x 44 1/4" x 1/2"	CDX Plywood	2 Pcs.
SIDES:	84" x 48" x 3/8" 84" x 37" x 3/8" 77 7/8" x 10 7/8" x 3/8" 2" x 4" (Nom.) x 81" 2" x 4" (Nom.) x 77 7/8"	CDX Plywood CDX Plywood CDX Plywood #2 & Btr SPF Lumber #2 & Btr SPF Lumber	2 Pcs. 2 Pcs. 2 Pcs. 2 Pcs. 4 Pcs.
FASTENERS:	1 1/2" x 5/16" x 16 Gauge 5/8" x 5/16" x 16 Gauge 1/4" x 2"	Staples Staples Lag Screws & Washers	As Required As Required 14 Pcs.

OTHER: Caulking: All joints are caulked during the manufacture with a waterproof adhesive caulking compound.

MTMC Approval No: 214A (Continued)

Assembling instructions: Place the base on a level work surface with the plywood side up. Stand the sides upright in their respective positions on the base and fasten as required with nails or staples. Position top onto sides and fasten as required with nails or staples. Position one end panel and fasten as required with nails or staples to top, sides, and base. Position door end panel and attach to top, sides, and base with 14 each 1/4" x 2" lag screws and washers.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 215A
- B. Manufacturer: G.E.P. NV  
Legen Heirweg 155  
9140 Elversele, Belgium
- C. Testing Facility: Belgisch Verpakkingsinstituut  
Brussels, Belgium
- D. Date of Testing: Aug 88
- E. Outer Size: 87"L x 46 21/32"W x 86 27/32"H
- F. Tare Weight: 357 lbs
- G. Exterior Cube: 204 cubic feet
- H. Bill of Materials:

TOP:	11/32" x 46 21/32" x 87"	Plywood	1 Pc.
BASE:	2 28/32" x 2 28/32" x 3 18/32"	Blocks	2 Pcs.
	5/8" x 46" x 86 12/32"	Plywood	1 Pc.
	11/32" x 11 26/32" x 40 3/32"	Plywood	2 Pcs.
	1 16/32" x 2 25/32" x 80 25/32"	Runner	2 Pcs.
	1 16/32" x 2 25/32" x 46"	Runner	2 Pcs.
	2 28/32" x 2 28/32" x 15 24/32"	Blocks	6 Pcs.
END:	11/32" x 46" x 83 21/32"	Plywood	2 Pcs.
	1 16/32" x 2 25/32" x 46"	Runner	2 Pcs.
SIDES:	11/32" x 4 16/32" x 78 25/32"	Plywood	2 Pcs.
	11/32" x 43 16/32" x 83 21/32"	Plywood	4 Pcs.
	1 16/32" x 2 25/32" x 83 3/8"	Runner	2 Pcs.
	1 16/32" x 2 28/32" x 78 25/32"	Runner	4 Pcs.

All measurements have been converted from metric.

ATTACHMENTS: Bottom - nailed frame, plywood stitched.  
Sides - plywood stitched to members, nailed to bottom edge.  
Ends - plywood, nailed to corner posts and to bottom edge and upper edge member.  
Top - plywood, nailed to top edge member.

ASSEMBLY: Either screw or shank nails of 3" long are to be used. All joints between prefabricated sections will be sealed with sealing compounds. The container is secured by 2 metal strappings at equal distance from both end panels.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 215B
- B. Manufacturer: G.E.P. NV  
Legen Heirweg 155  
9140 Elversele, Belgium
- C. Testing Facility: Belgisch Verpakkingsinstituut  
Brussels, Belgium
- D. Date of Testing: Jan 99
- E. Outer Size: 87"L x 46.7"W x 87"H
- F. Tare Weight: 353 lbs
- G. Exterior Cube: 204 cubic feet
- H. Bill of Materials:

TOP:	0.35" x 46.65" x 87"	Plywood	1 Pc.
BASE:	.47" x 45.87" x 86.38"	Plywood	1 Pc.
	1.57" x 2.87" x 45.87"	Runner	2 Pcs.
	1.57" x 2.87" x 80"	Runner	2 Pcs.
	1.57" x 2.87" x 39.77 "	Runner	1 Pc.
	2.87" x 2.87" x 11.81"	Blocks	4 Pcs.
	3.94" x 2.87" x 11.02 "	Blocks	2 Pcs.
END:	0.35" x 45.87" x 83.66"	Plywood	2 Pcs.
	1.57" x 2.87" x 45.87"	Runner	2 Pcs.
SIDES:	0.35" x 4.33" x 78.35"	Plywood	2 Pcs.
	0.35" x 43.50" x 83.66"	Plywood	4 Pcs.
	1.57" x 2.87" x 80.12"	Runner	2 Pcs.
	1.57" x 2.87" x 79.72"	Runner	4 Pcs.

All measurements have been converted from metric.

ATTACHMENTS: Bottom - nailed frame, plywood stitched.  
Sides - plywood stitched to members, nailed to bottom edge.  
Ends - plywood, nailed to corner posts and to bottom edge and upper edge member.  
Top - plywood, nailed to top edge member.

ASSEMBLY: Either screw or shank nails of 3" long are to be used. All joints between prefabricated sections will be sealed with sealing compounds. The container is secured by 2 metal strappings at equal distance from both end panels.

COMMERCIAL SHIPPING CONTAINERS

A. MTMC Approval No: 215-B-1

B. Manufacturer: G.E.P. NV  
Legen Heirweg 155  
9140 Elversele, Belgium

C. Testing Facility: Belgisch Verpakkingsinstituut  
Brussels, Belgium

D. Date of Testing: Jan 99

E. Outer Size: 87"L x 46.7"W x 87"H

F. Tare Weight: 353 lbs

G. Exterior Cube: 204 Cubic Feet

H. Bill of Materials:

TOP:	0.35" x 46.65" x 87 "	Plywood	1 Pc.
BASE:	0.47" x 45.87" x 86.38 "	Plywood	1 Pc.
	1.57" x 2.87" x 80 "	Runner	2 Pcs.
	1.57" x 2.87" x 45.87 "	Runner	2 Pcs.
	1.57" x 2.87" x 39.76 "	Runner	1 Pc.
	2.87" x 2.87" x 11.8 "	Blocks	4 Pcs.
	3.94" x 2.87" x 11 "	Blocks	2 Pcs.
SIDES:	0.35" x 4.33" x 78.35 "	Plywood	2 Pcs.
	0.35" x 62.99" x 83.66 "	Plywood	2 Pcs.
	0.35" x 24" x 83.66 "	Runner	2 Pcs.
	1.57" x 2.87" x 80 "	Runner	2 Pcs.
	1.57" x 2.87" x 79.72	Runner	4 Pcs.
ENDS:	0.35" x 45.87" x 83.66 "	Plywood	2 Pcs.
	1.57" x 2.87" x 45.87 "	Runner	2 Pcs.
TOP:	0.35" x 46.65" x 87 "	Plywood	1 Pc.

All Measurements have been converted from metric.

ATTACHMENTS: BOTTOM: Nailed frame, plywood stitched

SIDES: Plywood stitched to members, nailed to bottom edge

MTMC Approval No: 215-B-1 (Continued)

ENDS: Plywood, nailed to corner posts and to bottom edge and upper edge member

TOPS: Plywood, nailed to top edge member

ASSEMBLY: Either screw or shank nails of 3" long are to be used. All joints between prefabricated sections will be sealed with sealing compounds. The container is secured by 2 metal strappings at equal distance from both end panels.

COMMERCIAL SHIPPING CONTAINERS

A. MTMC Approval No: 215C

B. Manufacturer: G.E.P. NV  
Legen Heirweg 155  
9140 Elversele, Belgium

C. Testing Facility: N/A

D. Date of Testing: N/A

E. Outer Size: 85 1/32"L x 45 9/32"W x 86 27/32"H

F. Tare Weight: 350 lbs

G. Exterior Cube: 193.51 cubic feet

H. Bill of Materials:

TOP:	11/32" x 45 9/32" x 85 1/32"	Plywood	1 Pc.
BASE:	1/2" x 44 21/32" x 84 13/32"	Plywood	1 Pc.
	1 16/32" x 2 25/32" x 78 26/32"	Runner	2 Pcs.
	1 16/32" x 2 25/32" x 44 21/32"	Runner	2 Pcs.
	2 28/32" x 2 28/32" x 15 24/32"	Blocks	6 Pcs.
END:	11/32" x 44 21/32" x 83 21/32"	Plywood	2 Pcs.
	1 16/32" x 2 25/32" x 15 24/32"	Runner	2 Pcs.
SIDES:	11/32" x 4 16/32" x 78 25/32"	Plywood	2 Pcs.
	11/32" x 42 17/32" x 83 21/32"	Plywood	4 Pcs.
	1 16/32" x 2 25/32" x 81 13/32"	Runner	2 Pcs.
	1 16/32" x 2 28/32" x 78 25/32"	Runner	4 Pcs.

All measurements have been converted from metric.

ATTACHMENTS: Bottom - nailed frame, plywood stitched.  
Sides - plywood stitched to members, nailed to bottom edge.  
Ends - plywood, nailed to corner posts and to bottom edge and upper edge member.  
Top - plywood, nailed to top edge member.

ASSEMBLY: Either screw or shank nails of 3" long are to be used. All joints between prefabricated sections will be sealed with sealing compounds. The container is secured by 2 metal strappings at equal distance from both end panels.



COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 215D
- B. Manufacturer: G.E.P. NV  
Legen Heirweg 155  
9140 Elversele, Belgium
- C. Testing Facility: Belgisch Verpakkingsinstituut  
Brussels, Belgium
- D. Date of Testing: Aug 88
- E. Outer Size: 87"L x 46 21/32"W x 97 8/32"H
- F. Tare Weight: 382 LBS
- G. Exterior Cube: 228 Cubic Feet
- H. Bill of Materials:

TOP:	11/32" x 46 21/32" x 87"	Plywood	1 Pc.
BASE:	1/2" x 46" x 86 12/32"	Plywood	1 Pc.
	1 16/32" x 2 25/32" x 80 25/32"	Runner	3 Pcs.
	1 16/32" x 2 25/32" x 46"	Runner	2 Pcs.
	2 28/32" x 2 28/32" x 15 24/32"	Blocks	9 Pcs.
END:	11/32" x 46" x 94 2/32"	Plywood	2 Pcs.
	1 16/32" x 2 25/32" x 46"	Runner	2 Pcs.
SIDES:	11/32" x 4 16/32" x 89 6/32"	Plywood	2 Pcs.
	11/32" x 43 16/32" x 94 2/32"	Plywood	4 Pcs.
	1 16/32" x 2 28/32" x 89 6/32"	Runner	4 Pcs.
	1 16/32" x 2 25/32" x 83 3/8"	Runner	2 Pcs.

All measurements have been converted from metric.

ATTACHMENTS: Bottom - nailed frame, plywood stitched.  
Sides - plywood stitched to members, nailed to bottom edge.  
Ends - plywood, nailed to corner posts and to bottom edge and upper edge member.  
Top - Plywood, nailed to top edge member.

MTMC PAM 55-12

MTMC Approval No: 215D (Continued)

ASSEMBLY: Either screws or shank nails of 3" long are to be used. All joints between prefabricated sections will be sealed with sealing compounds. The container is secured by 2 metal strappings at equal distance from both end panels.

MODIFICATION: Base dimensions should read as described above.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 216A
- B. Manufacturer: Rowlinson Case Limited  
3610 Diepenbeek, Belgium
- C. Testing Facility: Materials Handling Trials Unit (MHTU) England
- D. Date of Testing: Mar 89
- E. Outer Size: 86 7/8"L x 45"W x 84 1/4"H
- F. Tare Weight: 480 lbs
- G. Exterior Cube: 189.56 cubic feet
- H. Bill of Materials:

TOP:	1/2" x 45 7/32" x 87 25/32"	Plywood	1 Pc.
	1 13/16" x 3 3/4" x 44 11/32"	Battens	2 Pcs.
BASE:	5/8" x 44 11/32" x 86 27/32"	Plywood	1 Pc.
	1 13/16" x 3 3/4" x 44 11/32"	Runner	2 Pcs.
	1 13/16" x 3 3/4" x 79 3/8"	Runner	3 Pcs.
	3 3/4" x 3 3/4" x 15 3/4"	Blocks	7 Pcs.
	1 13/16" x 3 3/4" x 16 17/32"	Battens	4 Pcs.
ENDS:	1/2" x 44 11/32" x 82 13/16"	Plywood	2 Pcs.
SIDES:	1/2" x 43 7/8" x 82 13/16"	Plywood	4 Pcs.
	1 13/16" x 3 3/4" x 86 27/32"	Toprail	2 Pcs.
	1 13/16" x 3 3/4" x 76 3/8"	Vertical Rails	4 Pcs.
	1/2" x 3 15/16" x 76 3/8"	Plywood	2 Pcs.

All measurements have been converted from metric.

ASSEMBLY: 2" nails and 2" coach screws are used. Place the base on the floor with the plywood facing upwards. Place the sides upright on the base unit BO the plywood overlaps the base and the upright vertical rails 3 3/4" by 1 13/16" rest on the plywood portion of the base. Place the top in position so that the sides can be nailed or stapled to base and the top nailed or stapled to the sides. Place the end in place and nail or staple to the base, side and top. Place the door in place and secure it to the base, side and top with coach screws. The sides and top have been caulked during manufacture. All other seams must be caulked during the assembly process using a nonhardening caulking compound.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 217A
- B. Manufacturer: International Transportation Co., Ltd.  
Seoul, Korea
- C. Testing Facility: Korea Inspection & Testing Institute for General Merchandise,  
Seoul, Korea
- D. Date of Testing: Oct 89
- E. Outer Size: 87"L x 45"W x 87"H
- F. Tare Weight: 530 lbs
- G. Exterior Cube: 196.9 cubic feet
- H. Bill of Materials:

TOP:	3/5" x 85" x 45"	Plywood	1 Pc.
	1 4/5" x 3 2/3" x 44"	Lumber	2 Pcs.
BASE:	3/5" x 84" x 44"	Plywood	1 Pc.
	1 4/5" x 3 2/3" x 40 1/2"	Lumber	2 Pc.
	1 4/5" x 3 2/3" x 76 7/8"	Lumber	2 Pcs.
	1 4/5" x 3 2/3" x 36 3/4"	Lumber	4 Pcs.
	3" x 4" x 14"	Lumber	6 Pcs.
END:	1/2" x 45" x 83 1/2"	Plywood	2 Pcs.
SIDES:	1/3" x 48" x 83 1/4"	Plywood	2 Pcs.
	1/3" x 36" x 83 1/4"	Plywood	2 Pcs.
	1 4/5" x 3 2/3" x 84"	Lumber	2 Pcs.
	1 4/5" x 3 2/3" x 79 3/4"	Lumber	4 Pcs.
	1/3" x 11 7/10" x 76 3/4"	Plywood	2 Pcs.
HARDWARE FOR ASSEMBLY:		Bolts	28 Pcs.
	1 1/2"	Nails	60 Pcs.
	3"	Nails	170 Pcs.
	5"	Nails	40 Pcs.

All measurements have been converted from metric.

ASSEMBLY: Place the base with the plywood facing upwards. Place the sides upright on the base so that the plywood overlaps the base, and the upright 2x4s rest on the plywood portion of the base. Place the top in position so that the sides can be nailed or stapled to base, and the top nailed or stapled to the sides.

MTMC Approval No: 217A (Continued)

Place the end in place, and nail or staple it to the base, sides, and top. Place the door in place and secure it to the base, sides and top with lag screws. The sides and top have been caulked during manufacture. All other seams must be caulked during the assembly process using nonhardening caulking compound.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 218A
- B. Manufacturer: International Wood Industries, Inc  
8345 SW Nyberg Rd.  
P.O. Box 3550  
Tualatin, Oregon 97062
- C. Testing Facility: Carlson Testing, Inc.
- D. Date of Testing: Nov 89
- E. Outer Size: 85"L x 45"W x 87"H
- F. Tare Weight: 366 lbs
- G. Exterior Cube: 192.6 cubic feet
- H. Bill of Materials:

TOP:	1/2" x 45" x 85"	OSB/Plywood	1 Pc.
	2" x 4" x 44 1/4"	Lumber	2 Pcs.
BASE:	5/8" x 44 1/4" x 84"	OSB/Plywood	1 Pc.
	2" x 4" x 44 1/4"	Lumber	2 Pcs.
	2" x 4" x 76 3/4"	Lumber	3 Pcs.
	2" x 4" x 16 5/8"	Lumber	4 Pcs.
	3" x 4" x 12"	Lumber	9 Pcs.
END:	1/2" x 44 1/2" x 83 7/8"	OSB/Plywood	2 Pcs.
SIDES:	3/8" x 42 1/2" x 83 7/8"	OSB/Plywood	4 Pcs.
	3/8" x 5 1/4" x 78 1/4"	OSB/Plywood	2 Pcs.
	2" x 4" x 78 1/4"	Lumber	4 Pcs.
	2" x 4" x 84" (Notched)	Lumber	2 Pcs.
HARDWARE:	16d Galvanized (Galv.)	Nails	53 Pcs.
	8d Galvanized	Nails	120 Pcs.
	1 1/2" - 1/2" Crown	Staples	150 Pcs.

ASSEMBLY: Assemble base by arranging 3" x 4" x 12" blocks under base panel. Leave proper offset of 3/8" on sides and 1/2" on ends. Nail through base panel into block with 16d Galv. nails, 4 per block. Secure side panels to base by standing side on top of block offset, nail through side panel into 2x4 base with 4-16d Galv. nails. Infill with 8d Galv. nails 6 to 8 inches apart. Place 2" x 4" x 44 1/4" in at each end of side panel.

MTMC Approval No: 218A (Continued)

Use one 8d nail per corner to fasten. Caulk framing members on top of container with Butyl caulking. Position top panel on container, check squareness, fasten with 8d Galv. nails, 8 to 12 inches apart. Caulk framing members on one end of container with Butyl caulking. Position end panel in place, fasten with 8d Galv. nails 8 to 12 inches apart.

FOOT BLOCKS: May be either nominal 3" x 4" x 12" lumber block, a 3 1/2" x 2 1/2" x 12" laminated plywood, and/or two pieces of nominal 2" x 4" x 12" lumber nailed together.

COMMERCIAL SHIPPING CONTAINERS

A. MTMC Approval No: 218B

B. Manufacturer: International Wood Industrial, Inc  
8345 SW Nyberg Rd.  
P.O. Box 3550  
Tualatin , Oregon 97062

C. Testing Facility: Carlson Testing, Inc.

D. Date of Testing: 11 Oct 94

E. Outer Size: 85"L x 45"W x 87"H

F. Tare Weight: 340 LBS

G. Exterior Cube: 192.6 Cubic Feet

H. Bill of Materials:

BASE: 5/8" x 44 1/4" x 84"	Plywood	1 Pc.
2" x 4" x 44 1/4 "	Lumber	2 Pcs.
2" x 4" x 76 3/4 "	Lumber	3 Pcs.
2" x 4" x 16 5/8 "	Lumber	4 Pcs.
2" x 4" x 12 "	Lumber	18 Pcs.

BASE ASSEMBLY: Bases are pre-assembled by manufacturer with the exception of 2" x 4" x 12" skid blocks. Skid blocks are attached by user with 4 - 3 1/2" 16d common nails. Skid blocks must overhang base sub-assembly by 3/8" on both sides and both ends.

TOP: 1/2" x 45" x 85"	Plywood	1 Pc.
2" x 4" x 44 1/4 "	Lumber	2 Pcs.

END: 1/2" x 44 1/4" x 83 7/8 "	Plywood	1 Pc.
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DOOR: 1/2" x 44 1/4" x 83 7/8 "	Plywood	1 Pc.
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HARDWARE FOR DOOR:	5d Ringshank Nails	32 Pcs.
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SIDE: 3/8" x 42 1/2" x 83 7/8 "	Plywood	4 Pcs.
3/8" x 5 1/4" x 78 3/8 "	Plywood	2 Pcs.
3 1/2" x 1 1/8" x 84 "	Notched Laminated Veneer Lumber	1 Pc.
3 1/2" x 1 1/8" x 78 1/4 "	Laminated Veneer Lumber	2 Pcs.



MTMC Approval No: 218B (Continued)

**SIDE ASSEMBLY:** Side panels are pre-assembled by the manufacturer.

<b>HARDWARE FOR SIDES:</b> 3 1/2" 16d Common Nails	4 Pcs.
5d Ringshank Nails	20 Pcs.

**FOOT BLOCKS:** May be either nominal 3" x 4" x 12" lumber block, a 3 1/2" x 2 1/2" x 12" laminated plywood, and/or two pieces of nominal 2" x 4" x 12" lumber nailed together.

**ASSEMBLY INSTRUCTIONS:**

(1) Arrange skid blocks underneath base sub-assembly making sure of proper overhang. Nail base to skid blocks with 4 16d common nails each.

(2) Place side panels on top of skid block overhang so that upright 2" x 4" rests on plywood portion of base. Nail side panels to base panel with 4 16d common nails on each corner and 20 5d common nails.

(3) Place 2" x 4" x 44 1/4" in notches at top of each side panel, nail in place with 4 – 5d nails, one in each intersection.

(4) The side panels have been caulked during production. All other seams must be caulked during assembly with a butyl caulking compound. Caulk framing members on top of container with butyl caulking. Position top panel on container, check if square. Fasten with 32 5d common nails, 8 to 12 inches apart.

(5) Caulk framing members on one end of container with butyl caulking. Position end panel in place, fasten with 32 5d common nails, 8 to 12 inches apart.

(6) When container is loaded, caulk and nail door in place with 32 5d common nails.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 218D
- B. Manufacturer: International Wood Industrial, Inc  
8345 SW Nyberg Rd.  
P.O. Box 3550  
Tualatin , Oregon 97062
- C. Testing Facility: Carlson Testing, Inc.
- D. Date of Testing: 11 Nov 94
- E. Outer Size: 85"L x 45"W x 87"H
- F. Tare Weight: 320 LBS
- G. Exterior Cube: 191.46 Cubic Feet
- H. Bill of Materials:

BASE:	1/2" x 44 1/4" x 84"	OSB/Plywood	1 Pc.
	2" x 4" x 44 1/4 "	Lumber	2 Pcs.
	2" x 4" x 76 3/4 "	Lumber	3 Pcs.
	2" x 4" x 16 5/8 "	Lumber	4 Pcs.
	3" x 4" x 12 "	Lumber	9 Pcs.

BASE ASSEMBLY: Bases are Pre-Assembled by Manufacturer with the exception of 3" x 4" x 12" skid blocks. Skid blocks must overhang sub-assembly by 3/8" on both sides and both ends.

TOP:	3/8" x 45" x 84 3/4 "	OSB/Plywood	1 Pc.
	2" x 4" x 44 1/4 "	Lumber	2 Pcs.
END:	3/8" x 44 1/4" x 83 3/4 "	OSB/Plywood	1 Pc.
DOOR:	3/8" x 44 1/4" x 83 3/4 "	OSB/Plywood	1 Pc.
HARDWARE FOR DOOR:		5d Ringshank Nails	32 Pcs.
SIDE:	3/8" x 42 3/8" x 83 3/4 "	OSB/Plywood	4 Pcs.
	3/8" x 5 1/4" x 78 1/4 "	OSB/Plywood	2 Pcs.
	3 1/2" x 1 1/8" x 84 "	Notched Laminated Veneer Lumber	1 Pc.
	3 1/2" x 1 1/8" x 78 1/4 "	Laminated Veneer Lumber	2 Pcs.

MTMC Approval No: 218D (Continued)

**SIDE ASSEMBLY:** Side panels are pre-assembled by the manufacturer.

<b>HARDWARE FOR SIDES:</b> 16d Galvanized Nails	4 Pcs.
5d Ringshank Nails	20 Pcs.

**FOOT BLOCKS:** May be either nominal 3" x 4" x 12" lumber block, a 3 1/2" x 2 1/2" x 12" laminated plywood, and/or two pieces of nominal 2" x 4" x 12" lumber nailed together.

**ASSEMBLY INSTRUCTIONS:**

(1) Arrange skid blocks underneath base sub-assembly making sure of proper overhang. Nail base to skid blocks with 4 16d galvanized nails each.

(2) Place side panels on top of skid block overhang so that upright 2" x 4" rests on Plywood portion of base. Nail side panels to base panel with 4 16d common nails on each corner and 20 5D common nails.

(3) Place 2" x 4" x 44 1/4" in notches at top of each side panel, nail in place with 4 5d nails, on in each intersection.

(4) The side panels have been caulked during production. All other seams must be caulked during assembly with a butyl caulking compound. Caulk framing members on top of container with butyl caulking. Position top panel on container, check if square. Fasten with 32 5d common nails, 8 to 12 inches apart.

(5) Caulk framing members on one end of container with butyl caulking. Position end panel in place, fasten with 32 5d common nails, 8 to 12 inches apart.

(6) When container is loaded, caulk and nail door in place with 32 5d common nails.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No. 218D-1
- B. Manufacturer: International Wood Industrial, Inc  
8345 SW Nyberg Rd.  
P.O. Box 3550  
Tualatin, Oregon 97062
- C. Testing Facility: Carlson Testing, Inc.
- D. Date of Testing: January, 27, 2000
- E. Outer Size: 85"L x 45"W x 87"H
- F. Tare Weight: 310 LBS
- G. Exterior Cube: 191.6 Cubic Feet
- H. Bill of Materials:

BASE: 44 1/4" x 84 - 5/8"	Plywood Deck	1 Pc.
4 1/4" x 44 1/4" - 1 1/8"	LVL	2 Pcs.
4 1/4" x 76 3/4" - 1 1/8"	LVL	3 Pcs.
8 3/4" x 15 1/2" - 1 1/8"	LVL	4 Pcs.
3" x 4" - 12"	Foot Blocks	9 Pcs.

Base Assembly: Bases are pre-assembled by manufacturer with 60 1 1/2" staples to secure the plywood deck to the framing members. The 3" x 4" - 12" foot blocks are attached to the base sub-assembly by the Moving and Storage Agent. Foot blocks must extend beyond the edges of the base sub-assembly by 3/8" on both sides and ends. Foot blocks are then nailed to the sub-assembly using 4-20d - 3 1/2" nail per block.

TOP: 45" x 85" - 1/2"	Plywood	1 Pc.
2" x 4" - 44 1/4"		2 Pcs.
END 44 1/4" x 83 7/8" - 3/8"	Plywood	1 Pc

MTMC PAM 55-12

MTMC Approval No: 218D-1 (Continued)

SIDE:	3 1/2" x 84" - 1 1/8"	LVL with notch	1 Pc.
	5 1/4" x 78 1/4" - 3/8"	Plywood Cleat	1 Pc.
	42 1/2" x 83 7/8" - 3/8"	Plywood	2 Pcs
	3 1/2" x 78 1/4" - 1 1/8"	LVL	2 Pcs.

Side panels are assembly by manufacturer with 80 - 1 1/2" Staples securing plywood panels to framing members.

V 251-1

COMMERCIAL SHIPPING CONTAINERS

A. MTMC Approval No: 219A

B. Manufacturer: Atlas Wood Products, Inc.  
P.O. Box 2273  
Warminster, PA 18974

C. Testing Facility: Pittsburgh Testing Laboratory

D. Date of Testing: May 90

E. Outer Size: 86"L x 48"W x 87"H

F. Tare Weight: 418 lbs

G. Exterior Cube: 208 cubic feet

H. Bill of Materials: NOTE: \*\*\*\*\*Denotes Plywood or Oriented Strand Board (OSD).  
Container can be constructed using either plywood or OSD.

TOP:	3/8" x 48" x 86"	*****	1 Pc.
	2" x 4" x 47 1/4"	Lumber	2 Pcs.
BASE:	1/2" x 47 1/4" x 85 1/4"	*****	1 Pc.
	2" x 4" x 78 1/4"	Lumber	2 Pcs.
	2" x 4" x 47 1/4"	Lumber	2 Pcs.
	2" x 4" x 40 1/4"	Lumber	2 Pcs.
	2" x 4" x 12"	Lumber	12 Pcs.

HARDWARE FOR BASE: 1 3/8" (16 GA) galvanized cement coated staples minimum 3" x 4" staggered spacing pattern. 12d galvanized common nails, 6 per slider block. Total of 36 nails.

ENDS:	3/8" x 48" x 83 1/2"	*****	1 Pc.
SIDES:	3/8" x 37 1/4" x 83 1/2"	*****	2 Pcs.
	3/8" x 48" x 83 1/2"	*****	2 Pcs.
	2" x 4" x 82 1/4"	Lumber	2 Pcs.
	2" x 4" x 78 1/8"	Lumber	6 Pcs.
	1 3/8" (GA) galvanized cement coated staples minimum 3" to 4" staggered spacing pattern.		
DOOR:	3/8" x 48" x 83 1/2"	*****	1 Pc.

MTMC Approval No: 219A (Continued)

HARDWARE FOR DOOR: #10 x 1 1/2" galvanized hex-head lag screws and washers	20 Pcs.
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CAULKING: All seams, surfaces, splices, butt joints, must be caulked during the assembly process with a nonhardening caulking compound, with at least a 1/4" to 3/8" bead to ensure that caulking will be flattened and seal properly under nail pressure.

ASSEMBLY INSTRUCTIONS: Start with the base, plywood facing down, nail 6 2x4s by 12" slider blocks to base, each with 3-12P common galvanized nails. One slider block to be located at each corner and one in the middle, around the perimeter of the skid. A 3/8" overhang typical on all end and side dimensions of the slider blocks. Nail 6 more 2x4s by 12" blocks exactly on top of the first 6 slider blocks, each with 3-12P common galvanized nails. Place the base on the floor with the plywood facing upwards. Caulk all surfaces that will be in contact with the sides and end. Place the sides upright on the base so that the plywood overlaps the base. Staple or nail all parts with a 4" or 5" spacing pattern. Use 2 1/4" or 2 1/2" staples or use 3P galvanized common nails. Caulk and nail one 2" x 4" x 47 1/4" at both top corners of the sides. Apply caulking to surfaces that the top panel will be in contact with, place the top in position, and nail or staple it to the sides, and the 2" x 4" x 47 1/4". Place the end in position, and nail or staple it to the base, sides, and the 2" x 4" x 47 1/4". Place the door in position and secure it to the base, sides, and top with 20 #10 1 1/2" galvanized hex-head lag screws and washers, spaced equally apart. Door will be caulked before and after closing.

COMMERCIAL SHIPPING CONTAINERS

A. MTMC Approval No: 219B

B. Manufacturer: Atlas Wood Products, Inc.  
P.O. Box 2273  
Warminster, PA 18974

C. Testing Facility: Pittsburgh Testing Laboratory

D. Date of Testing: May 90

E. Outer Size: 87"L x 47"W x 87"H

F. Tare Weight: 416 lbs

G. Exterior Cube: 206 cubic feet

H. Bill of Materials: NOTE: \*\*\*\*\*Denotes Plywood or Oriented Strand Board (OSD).  
Container can be constructed using either plywood or OSD.

TOP:	3/8" x 47" x 87"	*****	1 Pc.
	2" x 4" x 46 1/4"	Lumber	2 Pcs.
BASE:	1/2" x 46 1/4" x 86 1/4"	*****	1 Pc.
	2" x 4" x 79 1/4"	Lumber	2 Pcs.
	2" x 4" x 46 1/4"	Lumber	2 Pcs.
	2" x 4" x 39 1/4"	Lumber	2 Pcs.
	2" x 4" x 12"	Lumber	12 Pcs.

HARDWARE FOR BASE: 1 3/8" (16 GA) galvanized cement coated staples minimum 3" x 4" staggered spacing pattern; 12d galvanized common nails, 6 per slider block. Total of 36 nails.

ENDS:	3/8" x 47" x 83 1/2"	*****	1 Pc.
SIDES:	3/8" x 38 1/4" x 83 1/2"	*****	2 Pcs.
	3/8" x 48" x 83 1/2"	*****	2 Pcs.
	2" x 4" x 83 1/4"	Lumber	2 Pcs.
	2" x 4" x 78 1/8"	Lumber	6 Pcs.
	1 3/8" (GA) galvanized cement coated staples minimum 3" to 4" staggered spacing pattern.		

DOOR: 3/8" x 47" x 83 1/2"



MTMC Approval No: 219B (Continued)

HARDWARE FOR DOOR: #10 x 1 1/2" galvanized hex-head lag screws and washers	20 Pcs.
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NOTE: Can use 32 six penny ring shank nails to secure doors.

CAULKING: All seams, surfaces, splices, butt joints, must be caulked during the assembly process with a nonhardening caulking compound, with at least a 1/4" to 3/8" bead to ensure that caulking will be flattened and seal properly under nail pressure.

ASSEMBLY INSTRUCTIONS: Start with the base, plywood facing down, nail 6 2x4s by 12" slider blocks to base, each with 3-12P common galvanized nails. One slider block to be located at each corner and one in the middle, around the perimeter of the skid. A 3/8" overhang typical on all end and side dimensions of the slider blocks. Nail 6 more 2x4s by 12" blocks exactly on top of the first 6 slider blocks, each with 3-12P common galvanized nails. Place the base on the floor with the plywood facing upwards. Caulk all surfaces that will be in contact with the sides and end. Place the sides upright on the base so that the plywood overlaps the base. Staple or nail all parts with a 4" or 5" spacing pattern. Use 2 1/4" or 2 1/2" staples or use 3P galvanized common nails. Caulk and nail one 2" x 4" x 47 1/4" at both top corners of the sides. Apply caulking to surfaces that the top panel will be in contact with, place the top in position, and nail or staple it to the sides, and the 2" x 4" x 47 1/4". Place the end in position, and nail or staple it to the base, sides, and the 2" x 4" x 47 1/4". Place the door in position and secure it to the base, sides, and top with 20 #10 1 1/2" galvanized hex-head lag screws and washers, spaced equally apart. Door will be caulked before and after closing.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 219B-1
- B. Manufacturer: Atlas Wood Products, Inc.  
P.O. Box 2273  
Warminster, PA 18974
- C. Testing Facility: Pittsburg Testing Laboratory
- D. Date of Testing: May 90
- E. Outer Size: 87"L x 47"W x 87"
- F. Tare Weight: 538 lbs
- G. Exterior Cube: 206 Cubic Feet
- H. Bill of Materials:

TOP:	5/8" x 47" x 87"	Plywood	1 Pc.
	2" x 4" x 44 1/2"	Lumber	3 Pcs.
BASE:	5/8" x 44 3/4" x 84 3/4"	Plywood	1 Pc.
	2" x 4" x 44 3/4"	Lumber	2 Pcs.
	2" x 4" x 77 3/4"	Lumber	3 Pcs.
	2" x 4" 17"	Lumber	4 Pcs.
	3" x 4" x 16"	Lumber	3 Pcs.
	3" x 4" x 20"	Lumber	6 Pcs.
	1" x 4" x 87"	Lumber	3 Pcs.
HARDWARE FOR BASE:			
	3/8" x 5"	Carriage Bolts	9 Pcs.
	3/8"	Hex Nuts	9 Pcs.
	3/8" S.A.E.	Flat Washers	9 Pcs.
END:	3/8" x 44 3/4" x 83 1/8"	Plywood	1 Pc.
	1" x 4" x 83 1/8"	Lumber	2 Pcs.
	1" x 4" x 37 3/4"	Lumber	2 Pcs.
	1" x 4" x 76 1/8"	Lumber	1 Pc.
HARDWARE FOR DOOR:			
	3/8" x 2"	Lag Screw & Washer	14 Pcs.
SIDES:	3/8" x 48" x 83 1/8"	Plywood/OSB	2 Pcs.
	3/8" x 39" x 83 1/8"	Lumber	1 Pc.

MTMC Approval No: 219B-1 (Continued)

**HARDWARE FOR DOOR:**

3/8" x 2"	Lag Screw & Washer	14 Pcs.
<b>SIDES:</b> 3/8" x 48" x 83 1/8"	Plywood/OSB	2 Pcs.
3/8" x 39" x 83 1/8"	Plywood/OSB	2 Pcs.
1" x 4" x 87"	Lumber	4 Pcs.
1" x 4" x 76 1/8"	Lumber	6 Pcs.
2" x 4" x 84 5/8"	Lumber	2 Pcs.
2" x 4" x 75 13/16"	Lumber	4 Pcs.

**ASSEMBLY INSTRUCTIONS:** Place the base on the floor with the plywood facing upwards. Stand and end upright on the base with the plywood facing the base. Nail the end to the base with 3" screw nails. Stand the sides on the base one side at a time. The upright two by fours on the sides rest on the plywood portion of the base. Nail the sides to the base and end with 3" screw nails. Position the Top in place, with the two by fours resting inside the box. Secure the top with two inch screw nails to sides and one end. Position the door in place and secure it to base, top, and sides with lag screws. NOTE: All seams must be caulked during the assembly process.

COMMERCIAL SHIPPING CONTAINERS

A. MTMC Approval No: 219C

B. Manufacturer: Atlas Wood Products, Inc.  
P.O. Box 2273  
Warminster, PA 18974

C. Testing Facility: Pittsburgh Testing Laboratory

D. Date of Testing: May 90

E. Outer Size: 87"L x 45"W x 87"H

F. Tare Weight: 412 lbs

G. Exterior Cube: 197 cubic feet

H. Bill of Materials: NOTE: \*\*\*\*\*Denotes Plywood or Oriented Strand Board (OSD).  
Container can be constructed using either plywood or OSD.

TOP:	3/8" x 45" x 87"	*****	1 Pc.
	2" x 4" x 44 1/4"	Lumber	2 Pcs.
BASE:	1/2" x 44 1/4" x 86 1/4"	*****	1 Pc.
	2" x 4" x 79 1/4"	Lumber	2 Pcs.
	2" x 4" x 44 1/4"	Lumber	2 Pcs.
	2" x 4" x 37 1/4"	Lumber	2 Pcs.
	2" x 4" x 12"	Lumber	12 Pcs.

HARDWARE FOR BASE: 1 3/8" (16 GA) galvanized cement coated staples minimum 3" x 4" staggered spacing pattern, 12d galvanized common nails, 6 per slider block. Total of 36 nails.

ENDS:	3/8" x 45" x 83 1/2"	*****	1 Pc.
SIDES:	3/8" x 38 1/4" x 83 1/2"	*****	2 Pcs.
	3/8" x 48" x 83 1/2"	*****	2 Pcs.
	2" x 4" x 83 1/4"	Lumber	2 Pcs.
	2" x 4" x 78 1/8"	Lumber	6 Pcs.
	1 3/8" (GA) galvanized cement coated staples minimum 3" to 4" staggered spacing pattern.		
DOOR:	3/8" x 45" x 83 1/2"	*****	1 Pc.

MTMC Approval No: 219C (Continued)

HARDWARE FOR DOOR: #10 x 1 1/2" galvanized hex-head lag screws and washers	20 Pcs.
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NOTE: Can use 32 six penny ring shank nails to secure doors.

CAULKING: All seams, surfaces, splices, butt joints, must be caulked during the assembly process with a nonhardening caulking compound, with at least a 1/4" to 3/8" bead to ensure that caulking will be flattened and sealed properly under nail pressure.

ASSEMBLY INSTRUCTIONS: Start with the base, plywood facing down, nail 6 2x4s by 12" slider blocks to base, each with 3-12P common galvanized nails. One slider block to be located at each corner and one in the middle, around the perimeter of the skid. A 3/8" overhang typical on all end and side dimensions of the slider blocks. Nail 6 more 2x4s by 12" blocks exactly on top of the first 6 slider blocks, each with 3-12P common galvanized nails. Place the base on the floor with the plywood facing upwards. Caulk all surfaces that will be in contact with the sides and end. Place the sides upright on the base so that the plywood overlaps the base. Staple or nail all parts with a 4" or 5" spacing pattern. Use 2 1/4" or 2 1/2" staples or use 3P galvanized common nails. Caulk and nail one 2" x 4" x 47 1/4" at both top corners of the sides. Apply caulking to surfaces that the top panel will be in contact with, place the top in position, and nail or staple it to the sides, and the 2" x 4" x 47 1/4". Place the end in position, and nail or staple it to the base, sides, and the 2" x 4" x 47 1/4". Place the door in position and secure it to the base, sides, and top with 20 #10 1 1/2" galvanized hex-head lag screws and washers, spaced equally apart. Door will be caulked before and after closing.

COMMERCIAL SHIPPING CONTAINERS

A. MTMC Approval No: 219D

B. Manufacturer: Atlas Wood Products, Inc.  
P.O. Box 2273  
Warminster, PA 18974

C. Testing Facility: Pittsburgh Testing Laboratory

D. Date of Testing: May 90

E. Outer Size: 85"L x 45"W x 85"H

F. Tare Weight: 406 lbs

G. Exterior Cube: 193 cubic feet

H. Bill of Materials: NOTE: \*\*\*\*\*Denotes Plywood or Oriented Strand Board (OSD).  
Container can be constructed using either plywood or OSD.

TOP: 3/8" x 45" x 85"	*****	1 Pc.
2" x 4" x 44 1/4"	Lumber	2 Pcs.
BASE: 1/2" x 44 1/4" x 84 1/4"	*****	1 Pc.
2" x 4" x 77 1/4"	Lumber	2 Pcs.
2" x 4" x 44 1/4"	Lumber	2 Pcs.
2" x 4" x 37 1/4"	Lumber	2 Pcs.
2" x 4" x 12"	Lumber	12 Pcs.

HARDWARE FOR BASE: 1 3/8" (16 GA) galvanized cement coated staples minimum 3" x 4" staggered spacing pattern; 12d galvanized common nails, 6 per slider block. Total of 36 nails.

ENDS: 3/8" x 45" x 83 1/2"	*****	1 Pc.
SIDES: 3/8" x 36 1/4" x 83 1/2"	*****	2 Pcs.
3/8" x 48" x 83 1/2"	*****	2 Pcs.
2" x 4" x 81 1/4"	Lumber	2 Pcs.
2" x 4" x 78 1/8"	Lumber	6 Pcs.
1 3/8" (GA) galvanized cement coated staples minimum 3" to 4" staggered spacing pattern.		

DOOR: 3/8" x 45" x 83 1/2"

MTMC Approval No: 219D (Continued)

HARDWARE FOR DOOR: #10 x 1 1/2" galvanized hex-head lag screws and washers	20 Pcs.
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NOTE: Can use 32 six penny ring shank nails to secure doors.

CAULKING: All seams, surfaces splices, butt joints, must be caulked during the assembly process with a nonhardening caulking compound, with at least a 1/4" to 3/8" bead to ensure that caulking will be flattened and sealed properly under nail pressure.

ASSEMBLY INSTRUCTIONS: Start with the base, plywood facing down, nail 6 2x4s by 12" slider blocks to base, each with 3-12P common galvanized nails. One slider block to be located at each corner and one in the middle, around the perimeter of the skid. A 3/8" overhang typical on all end and side dimensions of the slider blocks. Nail 6 more 2x4s by 12" blocks exactly on top of the first 6 slider blocks, each with 3-12P common galvanized nails. Place the base on the floor with the plywood facing upwards. Caulk all surfaces that will be in contact with the sides and end. Place the sides upright on the base so that the plywood overlaps the base. Staple or nail all parts with a 4" or 5" spacing pattern. Use 2 1/4" or 2 1/2" staples or use 3P galvanized common nails. Caulk and nail one 2" x 4" x 47 1/4" at both top corners of the sides. Apply caulking to surfaces that the top panel will be in contact with, place the top in position, and nail or staple it to the sides, and the 2" x 4" x 47 1/4". Place the end in position, and nail or staple it to the base, sides, and the 2" x 4" x 47 1/4". Place the door in position and secure it to the base, sides, and top with 20 #10 1 1/2" galvanized hex-head lag screws and washers, spaced equally apart. Door will be caulked before and after closing.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 219E
- B. Manufacturer: Atlas Wood Products, Inc.  
P.O. Box 2273  
Warminster, PA 18974
- C. Testing Facility: Pittsburgh Testing Laboratory
- D. Date of Testing: May 90
- E. Outer Size: 45"L x 45"W x 87"H
- F. Tare Weight: 219 lbs
- G. Exterior Cube: 102 cubic feet
- H. Bill of Materials: NOTE: \*\*\*\*\*Denotes Plywood or Oriented Strand Board (OSD).  
Container can be constructed using either plywood or OSD.

TOP:	3/8" x 45" x 45"	*****	1 Pc.
	2" x 4" x 44 1/4"	Lumber	2 Pcs.
BASE:	1/2" x 44 1/4" x 44 1/4"	*****	1 Pc.
	2" x 4" x 44 1/4"	Lumber	2 Pcs.
	2" x 4" x 37 1/4"	Lumber	2 Pcs.
	2" x 4" x 12"	Lumber	8 Pcs.

HARDWARE FOR BASE: 1 3/8" (16 GA) galvanized cement coated staples minimum 3" x 4" staggered spacing pattern; 12d galvanized common nails, 6 per slider block. Total of 36 nails.

ENDS:	3/8" x 45" x 83 1/2"	*****	1 Pc.
SIDES:	3/8" x 44 1/4" x 83 1/2"	*****	2 Pcs.
	2" x 4" x 78 1/2"	Lumber	2 Pcs.
	2" x 4" x 41 1/4"	Lumber	2 Pcs.
	1 3/8" (GA) galvanized cement coated staples minimum 3" to 4" staggered spacing pattern.		
DOOR:	3/8" x 45" x 83 1/2"	*****	1 Pc.



MTMC Approval No: 219E (Continued)

HARDWARE FOR DOOR: #10 x 1 1/2" galvanized hex-head lag screws and washers	20 Pcs.
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NOTE: Can use 32 six penny ring shank nails to secure doors.

CAULKING: All seams, surfaces, splices, butt joints, must be caulked during the assembly process with a nonhardening caulking compound, with at least a 1/4" to 3/8" bead to ensure that caulking will be flattened and seal properly under nail pressure.

ASSEMBLY INSTRUCTIONS: Start with the base, plywood facing down, nail 6 2x4s by 12" slider blocks to base, each with 3-12P common galvanized nails. One slider block to be located at each corner and one in the middle, around the perimeter of the skid. A 3/8" overhang typical on all end and side dimensions of the slider blocks. Nail 6 more 2x4s by 12" blocks exactly on top of the first 6 slider blocks, each with 3-12P common galvanized nails. Place the base on the floor with the plywood facing upwards. Caulk all surfaces that will be in contact with the sides and end. Place the sides upright on the base so that the plywood overlaps the base. Staple or nail all parts with a 4" or 5" spacing pattern. Use 2 1/4" or 2 1/2" staples or use 3P galvanized common nails. Caulk and nail one 2" x 4" x 47 1/4" at both top corners of the sides. Apply caulking to surfaces that the top panel will be in contact with, place the top in position, and nail or staple it to the sides, and the 2" x 4" x 47 1/4". Place the end in position, and nail or staple it to the base, sides, and the 2" x 4" x 47 1/4". Place the door in position and secure it to the base, sides, and top with 20 #10 1 1/2" galvanized hex-head lag screws and washers, spaced equally apart. Door will be caulked before and after closing.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 219F
- B. Manufacturer: Atlas Wood Products, Inc.  
P.O. Box 2273  
Warminster, PA 18974
- C. Testing Facility: PSI - Pittsburgh Testing Laboratory  
Pittsburgh, PA 15220
- D. Date of Testing: April 27 & 30; May 1 & 23, 1990
- E. Outer Size: 87"L x 45"W x 76"H
- F. Tare Weight: 390 lbs
- G. Exterior Cube: 172 Cubic Feet
- H. Bill of Materials:

BASE: 1/2" x 44 1/4" x 86 1/4"	OSB/Plywood	1 Pc.
2" x 4" x 79 1/4"	Lumber	2 Pcs.
2" x 4" x 44 1/4"	Lumber	2 Pcs.
2" x 4" x 37 1/4"	Lumber	2 Pcs.
2" x 4" x 12"	Lumber	12 Pcs.

BASE HARDWARE: 1 3/8" (16 GA) Galvanized cement coated staples minimum 3" to 4" staggered spacing pattern. 12d galvanized common nails, 6 per slider block. Total of 36 nails.

ENDS: 3/8" x 45" x 72 1/2"	OSB/Plywood	1 Pc.
TOP: 3/8" x 45" x 87"	OSB/Plywood	1 Pc.
2" x 4" x 44 1/4"	Lumber	2 Pcs.
DOOR: 3/8" x 45" x 72 1/2"	OSB/Plywood	1 Pc.
HARDWARE FOR DOOR: #10 x 1 1/2" galvanized hex head lag screws and washers		20 Pcs.
SIDES: 3/8" x 38 1/4" x 72 1/2"	OSB/Plywood	2 Pcs.
3/8" x 48" x 72 1/2"	OSB/Plywood	2 Pcs.
2" x 4" x 83 1/4"	Lumber	2 Pcs.
2" x 4" x 67 1/8"	Lumber	6 Pcs.

MTMC Approval No: 219F (Continued)

**HARDWARE FOR SIDES:** 1 3/8" (16 GA) galvanized cement coated staples minimum 3" to 4" staggered spacing pattern.

**CAULKING:** All seams, surfaces, splices, butt joints, must be caulked during the assembly process with a non hardening caulking compound, with at least A 1/4" to 3/8" bead to ensure that caulking will be flattened and sealed properly under nail pressure.

**ASSEMBLY INSTRUCTIONS:** Start with the base, plywood facing down, nail 6 2" x 4" x 12" slider blocks to base, each with 3 12P common galvanized nails. One slider block to be located at each corner and one in the middle, around the perimeter of the skid. A 3/8" overhang typical on all end and side dimensions of the slider blocks. Nail 6 more 2" x 4" x 12" blocks exactly on top of the first 6 slider blocks, each with 3 12P common galvanized nails. Place the base on the floor with the plywood facing upwards. Caulk all surfaces that will be in contact with the sides and end. Place the sides upright on the base so that the plywood overlaps the base. Staple or nail all parts with a 4" or 5" spacing pattern. Use 2 1/4" or 2 1/2" staples or use 3P galvanized common nails. Caulk and nail one 2" x 4" x 47 1/4" at both top corners of the sides. Apply caulking to surfaces that the top panel will be in contact with, place the top in position, and nail or staple it to the sides, and the 2" x 4" x 47 1/4". Place the end in position, and nail or staple it to the base, sides, and the 2" x 4" x 47 1/4". Place the door in position and secure it to the base, sides, and top with 20 #10 1 1/2" galvanized hex-head lag screws and washers, spaced equally apart. Door will be caulked before and after closing.

COMMERCIAL SHIPPING CONTAINERS

A. MTMC Approval No: 220A

B. Manufacturer: California Dolly & Supply, Inc.  
2015 Acacia Court  
Compton, CA 90220

C. Testing Facility: National Testing Standards, Inc.

D. Date of Testing: Nov 91

E. Outer Size: 84 1/2"L x 45"W x 86"H

F. Tare Weight: 293 lbs

G. Exterior Cube: 189.24 cubic feet

H. Bill of Materials:

TOP:	5/16" x 45" x 84 3/4" 2" x 4" x 44 1/2"	Plywood Lumber	1 Pc. 2 Pcs.
BASE:	1/2" x 44 1/4" x 84" 2" x 4" x 44 1/4" 2" x 4" x 37 1/4" 2" x 4" x 77" 2" x 4" x 12" = 1 Block	Plywood Lumber Lumber Lumber Lumber	1 Pc. 2 Pcs. 3 Pcs. 2 Pcs. 6 Blocks
HARDWARE FOR BASE:	3/4" Steel Coated Nails 1" 16 Ga Coated Staples		48 Pcs. As Required
ENDS:	5/16" x 45" x 82 1/2"	Plywood	2 Pcs.
SIDES:	5/16" x 48" x 82 1/2" 5/16" x 36" x 82 1/2" 5/16" x 5" x 77" 2" x 4" x 81" 2" x 4" x 77"	Plywood Plywood Plywood Lumber Lumber	2 Pcs. 2 Pcs. 2 Pcs. 2 Pcs. 4 Pcs.

OTHER: Caulking: All seams must be caulked during the assembly process using a nonhardening caulking compound.

MTMC Approval No: 220A (Continued)

**ASSEMBLY INSTRUCTIONS:** Place the base on the floor with the plywood facing upwards. Place the sides upright on the base so that the plywood overlaps the base, and the upright 2x4s rest on the plywood portion of the base. Fasten sides to the base using 14 3d cement coated nails approximately 6" apart or 14 per side. Place the door on top of side rails and nail into place using 4 7d cement coated nails. Place the top in position and fasten to side and door 2x4s using 38 3d cement coated nails, spaced approximately 7" apart. Place the doors in position and drill 1/4" pilot holes 6" apart into doors to accept 3/8" x 2 1/2" lag screws (44 per door).

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 221A
- B. Manufacturer: Orkan Wiebke H. GmbH  
Truderingerstr. 265  
D-8000 Mundhen 82
- C. Testing Facility: Klokner Institute
- D. Date of Testing: Feb 92
- E. Outer Size: 87 1/2"L x 47"W x 86 1/2"H
- F. Tare Weight: 342.8 lbs
- G. Exterior Cube: 199.5 cubic feet
- H. Bill of Materials:

TOP:	1/2" x 87 1/2" x 47"	Plywood	1 Pc.
	1 1/4" x 3 1/8" x 46 1/4"	Lumber	2 Pcs.
BASE:	5/8" x 86 3/4" x 46 1/4"	Plywood	1 Pc.
	1 1/4" x 3 1/8" x 80 1/2"	Lumber	2 Pcs.
	1 1/4" x 3 1/8" x 46 1/2"	Lumber	2 Pcs.
	1 1/4" x 3 1/8" x 40"	Lumber	1 Pc.
	2 3/4" x 3 1/2" x 11 3/4"	Lumber	6 Pcs.
HARDWARE FOR BASE:	3/16" x 2"	Screw	As Required
	Ext. Dia 3/4"	Washer	As Required
ENDS:	1/2" x 83 3/4" x 46 1/4"	Plywood	1 Pc.
SIDES:	3/8" x 83 3/4" x 43 3/4"	Plywood	4 Pcs.
	3/8" x 78 5/8" x 4 1/8"	Plywood	2 Pcs.
	1 1/4" x 3 1/8" x 80 1/2"	Lumber	2 Pcs.
	1 1/4" x 3 1/8" x 80 1/2"	Lumber	4 Pcs.
DOOR:	1/2" x 83 3/4" x 46 1/4"	Plywood	1 Pc.
HARDWARE FOR DOOR:	5/32" x 1 3/8"	Screw	14 Pcs.
	Ext. Dia 11/16"	Washer	32 Pcs.

MTMC Approval No: 221A (Continued)

**CAULKING:** The sides have been caulked during manufacture. All other seams must be caulked during the assembly process using a nonhardening caulking compound.

**ASSEMBLY INSTRUCTIONS:** Place the base on the floor with the plywood facing upwards. Place the sides upright on the base so that the plywood overlaps the base, and the upright 2x4s rest on the plywood portion of the base. Place the top in position to give stability to the container so that the sides can be nailed or stapled to base. Nail or staple it to the base, sides and top. Place the door in place and secure to the base, side and top with lag screws.

COMMERCIAL SHIPPING CONTAINERS

A. MTMC Approval No: 222A

B. Manufacturer: World Wide Enterprises  
1840 N State Road 9  
Lagrange, Indiana 46761

C. Testing Facility: Froehling & Robertson, Inc.  
Greenville, SC 29607

D. Date of Testing: Aug 92

E. Outer Size: 87"L x 45"W x 87"H

F. Tare Weight: 430 lbs

G. Exterior Cube: 197 Cubic Feet

H. Bill of Materials:

BASE:	5/8" x 44 1/4" x 86"	Plywood	1 Pc.
	2" x 4" x 44 1/4"	Lumber	2 Pcs.
	2" x 4" x 79"	Lumber	2 Pcs.
	2" x 4" x 37 1/4"	Lumber	1 Pc.
	2" x 4" x 37 1/2"	Lumber	2 Pcs.
	4" x 4" x 12"	Lumber	9 Pcs.
HARDWARE FOR BASE:	3/8" x 4 1/2"	Lag Screws	27 Ea.
TOP:	5/8" x 45" x 87"	Plywood	1 Pc.
	2" x 4" 44 1/4"	Lumber	2 Pcs.
END:	1/2" x 44 1/4" x 82 3/8"	Plywood	1 Pc.
DOOR:	1/2" x 44 1/4" x 82 3/8"	Plywood	2 Pcs.
HARDWARE FOR DOOR:	3/8" x 2"	Lag Screw & Washer	14 Ea.
SIDES:	3/8" x 48" x 82 7/8"	Plywood	2 Pcs.
	3/8" x 39" x 82 7/8"	Plywood	2 Pcs.
	3/8" x 8 7/8" x 77 1/4"	Plywood	2 Pcs.
	2" x 4" x 83"	Lumber	2 Pcs.
	2"x 4" x 77 1/4"	Lumber	4 Pcs.



MTMC Approval No: 222A (Continued)

**ASSEMBLY INSTRUCTIONS:** Container must be caulked during the assembly process, using a non-hardening caulking compound. Stand base on floor with plywood overlaps base and the upright 2" x 4" rest on plywood portion of base. Install top so the side can be secured to base and the top. Install door secure against base, sides and top with lag screws.

COMMERCIAL SHIPPING CONTAINERS

A. MTMC Approval No: 223

B. Manufacturer: Rex Consulting W. Garth GMBH  
71691 Freiberg A.N., Harteneckstr. 23/2  
Bundesrepublik Deutschland

C. Testing Facility: Klonker Institute, Czech Technical University  
166 08 Prague 6, Solinova 7  
Czech Republic

D. Testing Date: November 93

E. Outer Size: 86 13/16"L x 46 17/32"W x 83 21/32"H

F. Tare Weight: 421 lbs

G. Exterior Cube: 199.5 Cubic Feet

H. Bill of Materials:

BASE: 3/8" x 86 3/4" x 46 1/4"	Double Plywood	2 Pcs.
1 1/4" x 3 1/8" x 80 1/2"	Lumber	2 Pcs.
1 1/4" x 3 1/8" x 46 1/4"	Lumber	2 Pcs.
1 1/4" x 3 1/8" x 40"	Lumber	1 Pc.
2 3/4" x 3 1/2" x 11 3/4"	Lumber	6 Pcs.
HARDWARE FOR BASE: 3/16" x 2"	Screw	32 Pcs.
EXTERNAL DIAMETER: 3/4"	Washer	32 Pcs.
TOP: 3/8" x 87 1/2" x 47"	Plywood	1 Pc.
HARDWARE FOR TOP: 5/32" x 1 3/8"	Screw	32 Pcs.
EXTERNAL DIAMETER: 11/16"	Washer	32 Pcs.
ENDS: 3/8" x 83 3/4" x 46 1/4"	Plywood	2 Pcs.
1 1/4" x 3 1/8" x 46 1/4"	Lumber	2 Pcs.
1 1/4" x 3 1/8" x 80 1/2"	Lumber	4 Pcs.
HARDWARE ENDS: 5/32" x 1 3/8"	Screw	68 Pcs.
EXTERNAL DIAMETER: 11/16"	Washer	68 Pcs.

MTMC Approval No: 223 (Continued)

SIDES: 3/8" x 83 3/4" x 43 3/4"	Plywood	4 Pcs.
3/8" x 78 5/8" x 4 1/8"	Plywood	2 Pcs.
1 1/4" x 3 1/8" x 80 1/2"	Lumber	2 Pcs.
HARDWARE FOR SIDES: 5/32" x 1 3/8"	Screw	120 Pcs.
INTERNAL DIAMETER: 11/16"	Washer	120 Pcs.

ASSEMBLY INSTRUCTIONS: Use lag screws or shank nails to assemble container. Place the base on the floor with plywood facing upwards. Apply non-hardening caulking compound onto base and plywood sides where they will be attached. Stand the sides upright on the base and fasten with nails or staples. Place top in position aligning it so that it can be nailed or stapled to the sides. Affix the end flush up against the base and nail or staple it together. Put the door in place and secure it to the base, sides and top with lag screws. Secure the container by placing 2 metal bands at equal distance from both end panels.

COMMERCIAL SHIPPING CONTAINERS

A. MTMC Approval No: 224

B. Manufacturer: CAESAR FUCHS GMBH & CIE  
8761 Worth AM Main  
Postfach 49, Germany

C. Testing Facility: Klockner Institute, CZECH Technical University

D. Date of Testing: 8 Feb 95

E. Outer Size: 87"L x 47"W x 84"H

F. Tare Weight: 208 LBS

G. Exterior Cube: 188.5 Cubic Feet

H. Bill of Materials:

BASE: 1/2" x 46" x 87"	Plywood	1 Pc.
1/2" x 7" x 40"	Plywood	3 Pcs.
1 1/3" x 3" x 81"	Plywood	2 Pcs.
1 1/4" x 3" x 46"	Lumber	2 Pcs.
2 1/2" x 2 1/2" x 11 1/2"	Lumber	6 Pcs.
BASE HARDWARE: 2 1/2"	Nails	42 Pcs.
1 1/2"	Nails	14 Pcs.
4"	Nails	24 Pcs.
TOP: 1/4" x 47" x 87"	Plywood	1 Pc.
1 1/4" x 3" x 46"	Lumber	2 Pcs.
TOP HARDWARE: 2 1/2"	Nails	36 Pcs.
END: 1/4" x 46" x 83"	Plywood	2 Pcs.
END HARDWARE: 2 1/2"	Screws	36 Pcs.
1" x 1/10	Washer	36 Pcs.
SIDES: 1/4" x 44" x 83"	Plywood	4 Pcs.
1/3" x 7" x 78"	Plywood	2 Pcs.
1 1/4" x 3" x 78"	Lumber	2 Pcs.
1 1/4" x 3" x 80"	Lumber	4 Pcs.
1 1/4" x 3" x 81"	Lumber	2 Pcs.

COMMERCIAL SHIPPING CONTAINERS

A. MTMC Approval No: 224A

B. Manufacturer: Carl Goetz GmbH  
Benz Str 1  
96052 Bamberg, Germany

C. Testing Facility: Klockner Institute, CZECH Technical University

D. Date of Testing: 8 Feb 95

E. Outer Size: 87"L x 47"W x 84"H

F. Tare Weight: 208 LBS

G. Exterior Cube: 188.5 Cubic Feet

H. Bill of Materials:

BASE: 1/2" x 46" x 87"	Plywood	1 Pc.
1/2" x 7" x 40 "	Plywood	3 Pcs.
1 1/3" x 3" x 81 "	Plywood	2 Pcs.
1 1/4" x 3" x 46 "	Lumber	2 Pcs.
2 1/2" x 2 1/2" x 11 1/2 "	Lumber	6 Pcs.
BASE HARDWARE: 2 1/2"	Nails	42 Pcs.
1 1/2 "	Nails	14 Pcs.
4"	Nails	24 Pcs.
TOP: 1/4" x 47" x 87"	Plywood	1 Pc.
1 1/4" x 3" x 46 "	Lumber	2 Pcs.
TOP HARDWARE: 2 1/2"	Nails	36 Pcs.
END: 1/4" x 46" x 83 "	Plywood	2 Pcs.
END HARDWARE: 2 1/2"	Screws	36 Pcs.
1" x 1/ 10	Washer	36 Pcs.
SIDES: 1/4" x 44" x 83 "	Plywood	4 Pcs.
1/3" x 7" x 78"	Plywood	2 Pcs.
1 1/4" x 3" x 78 "	Lumber	2 Pcs.
1 1/4" x 3" x 80 "	Lumber	4 Pcs.
1 1/4" x 3" x 81 "	Lumber	2 Pcs.

MTMC Approval No: 224 (Continued)

SIDE HARDWARE:	1 1/2"	Nails	60 Pcs.
	2 1/2"	Nails	100 Pcs.
	2 1/2"	Screws	36 Pcs.
	1 1/2"	Screws	40 Pcs.
	1" x 1/10"	Washers	36 Pcs.

I. ASSEMBLY INSTRUCTIONS:

- (1) Nail the frame parts and the cross-beam to the base. Fix the supporting blocks. Using indented nails, connect both parts of the side panels, overlapping their vertical splice by the plywood strip.
- (2) Attach bunks to the respective top or side panels with nails.
- (3) Place the assembled base into the horizontal position. Connect one end panel and one side panel, held in the upright position, to the base with nails.
- (4) Join the other side to the already assembled parts using nails. Nail on the top.
- (5) Apply a sealing compound in the grooves along all reinforcing bunks. For the transport to the user, connect the loose end door temporarily by a few screws.
- (6) Before closing the loaded container, caulk the contact surface of the end frame by a non-Hardening sealing compound laid in a zigzag continuous line.
- (7) Screw the end door to the end frame.

MTMC Approval No: 224A (Continued)

SIDE HARDWARE:	1 1/2"	Nails	60	Pcs.
	2 1/2 "	Nails	100	Pcs.
	2 1/2 "	Screws	36	Pcs.
	1 1/2 "	Screws	40	Pcs.
	1" x 1/10 "	Washers	36	Pcs.

#### I. ASSEMBLY INSTRUCTIONS:

(1) Nail the frame parts and the cross-beam to the base. Fix the supporting blocks. Using indented nails, connect both parts of the side panels, overlapping their vertical splice by the plywood strip.

(2) Attach bunks to the respective top or side panels with nails.

(3) Place the assembled base into the horizontal position. Connect one end panel and one side panel, held in the upright position, to the base with nails.

(4) Join the other side to the already assembled parts using nails. Nail on the top.

(5) Apply a sealing compound in the grooves along all reinforcing bunks. For the transport to the user, connect the loose end door temporarily by a few screws.

(6) Before closing the loaded container, caulk the contact surface of the end frame by a non-Hardening sealing compound laid in a zigzag continuous line.

(7) Screw the end door to the end frame.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 225
- B. Manufacturer: Pasha Freight Systems  
1320 Canal Boulevard  
Richmond, CA 94804
- C. Testing Facility: Carlson Testing, Inc.
- D. Date of Testing: 21 Mar 95
- E. Outer Size: 85"L x 45"W x 84 1/2"H
- F. Tare Weight: 354 LBS
- G. Exterior Cube: 187 Cubic Feet
- H. Bill of Materials:

BASE:	5/8" x 44 1/4" x 84 1/4"	Plywood	1 Pc.
	2" x 4" x 77"	Lumber	3 Pcs.
	2" x 4" x 44 1/4"	Lumber	2 Pcs.
END:	3/8" x 44 1/2" x 83 1/2"	Plywood	2 Pcs.
TOP:	1/2" x 45" x 85"	Plywood	1 Pc.
	2" x 4" x 44 1/4"	Lumber	3 Pcs.
	2" x 4" x 84 1/4"	Lumber	2 Pcs.
SIDE:	3/8" x 42 1/2" x 83 1/2"	Plywood	4 Pcs.
	3/8" x 5 1/4" x 77 5/8"	Plywood	2 Pcs.
	2" x 4" x 77 5/8"	Lumber	4 Pcs.
SKID:	2" x 4" x 12"	Lumber	18 Pcs.

HARDWARE: Approximately 1000 1 1/4" staples with 1/2" crowns. Approximately 80 16d nails. Assembly Instructions: Lay out each of the two side panels and one end panel on the ground around the base of the lift van as they will be placed when assembled. Now run a thick bead of caulking over all seams on each side panel. No gaps should be present as water can penetrate. When all seams have been caulked, you are ready to assemble the lift van. Begin by standing one side panel up. At the bottom of the side panel there is about 2" of plywood that is bare. This is referred to as the skirt. The skirt should rest on top of the feet of the base. A space



MTMC Approval No: 225 (Continued)

of 3/8" has been offset on all the outer feet of the base. A space of 3/8" has been offset on all the outer feet of the base for this skirt. The inside framing of the side panel should rest on the top of the floor of the base. The ends of the side panel should be flush with the front and rear feet of the base. This is important for proper assembly of the lift van. When the side panel is in place it can be stapled to the base along the skirt. Staple every inch. 8d nails can be put in every few inches for added strength. Do the same with the other side panel. When both panels are upright and fastened in place, the 2" x 4" x 44 1/4" can be put in. Place one at each end of the lift van at the top of each panel where the date has been provided. This will support both sides. Two 8D nails can be put into each end of the 2" x 4" 44 1/4" from the outside of the side panels. Now the end panel can be put in place. Run a generous bead of caulking along the inside of the frame where the end panel will be placed. It should fit inside the 3/8" space provided along the edge of each side panel. Now the top panel can be put in place. Run a generous amount of caulking around the frame where the top panel will be fastened. The remaining end panel, now the door, should fit inside of each side of the lift van as the end panel did. Before loading the lift van, run a bead of caulking around the inside of the lift van where each wall be fastened. The lift van will also need to be banded around the width and height before shipping.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 226
- B. Manufacturer: Container Systems, Inc.  
Highway 56 East, P.O. Box 519  
Franklinton, NC 27525
- C. Testing Facility: Herron Testing Laboratories, Inc.
- D. Date of Testing: Mar 95
- E. Outer Size: 84.75"L x 44.75"W x 68.50"H
- F. Tare Weight: 375 LBS
- G. Exterior Cube: 177 Cubic Feet
- H. Bill of Materials:

BASE:	1/2" x 46 1/4" x 86 1/4"	Plywood	2 Pcs.
	2" x 4" x 46 1/4"	Lumber	2 Pcs.
	2" x 4" x 79 1/4"	Lumber	3 Pcs.
	3" x 4" x 12"	Lumber	9 Pcs.
HARDWARE FOR BASE:	2"	Screw Nail	As Req.
	4"	Screw Nail	As Req.
TOP:	3/8" x 43 1/8" x 72"	Plywood	1 Pc.
	2" x 4" x 46 1/4"	Lumber	2 Pcs.
NO HARDWARE FOR TOP:	2" x 4"s	Ship Loose	
ENDS:	3/8" x 47" x 72"	Plywood	2 Pcs.
SIDES:	3/8" x 43 1/8" x 72"	Plywood	4 Pcs.
	2" x 4" x 66 7/16"	Lumber	4 Pcs.
	2" x 4" x 82 7/8"	Lumber	2 Pcs.
	3/8" x 4 3/4" x 66 7/16"	Plywood	4 Pcs.

HARDWARE FOR SIDES: 1" Divergent Point Staple

CAULKING: All seams must be caulked during the assembly process using dow corning 100% silicon caulking. Bead size to 1/2".

MTMC Approval No: 226 (Continued)

**ASSEMBLY INSTRUCTIONS:** Place the base on the floor with the plywood facing upwards. Place one side upright on the base so that the side overlaps the base, and 2 x 4 vertical supports rest on the plywood portion of the base. Nail the bottom edge of the side into the 2 x 4 framing of the base using 1 1/2" screw nails approximately every 8 inches. Place one end in the upright position so that the end rests on the base blocks and the side overlaps the end. Nail the end to the base framing and the 2 x 4 vertical supports on the sides using 1 1/2" screw nails. Assemble other side same as above. Nail loose 2 x 4's in position at both top ends. Place top in position and nail to sides and one end. Place the other end in position and fasten with (14) 1/4 x 1 1/2" hex lag screws.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 227
- B. Manufacturer: Container Systems, Incorporated  
P.O. Box 519, Highway 56  
Franklinton, NC 27525
- C. Testing Facility: Herron Testing Laboratories, Inc.
- D. Date of Testing: Mar 95
- E. Outer Size: 84.75"L x 44.75"W x 81"H
- F. Tare Weight: 450 LBS
- G. Exterior Weight: 206 Cubic Feet
- H. Bill of Materials:

BASE:	1/2" x 86 1/4" x 46 1/4"	Plywood	1 Pc.
	2" x 4" x 46 1/4"	Lumber	2 Pcs.
	2" x 4" 79 1/4"	Lumber	3 Pcs.
	3" x 4" 12"	Lumber	9 Pcs.
HARDWARE FOR BASE:	2"	Screw Nails	As Required
	4"	Screw Nails	4 Per Block
TOP:	3/8" x 47" x 84 1/8"	Plywood	1 Pc.
	2" x 4" x 46 1/4"	Lumber	2 Pcs.
NO HARDWARE FOR TOP:	2 x 4's	Ship Loose	
ENDS:	3/8" x 47" x 84 1/8"	Plywood	2 Pcs.
SIDES:	3/8" x 43 1/8" x 84 1/8"	Plywood	4 Pcs.
	2" x 4" x 78 9/16"	Lumber	4 Pcs.
	2" x 4" x 83 1/8"	Lumber	2 Pcs.
	3/8" x 4 3/4" x 78 9/16"	Plywood	4 Pcs.

HARDWARE FOR SIDES: 1" Divergent Point Staple As Required

CAULKING: All seams must be caulked during the assembly process dow corning 100% silicon caulking. Bead size to be 1/2".

MTMC Approval No: 227 (Continued)

**ASSEMBLY INSTRUCTIONS:** Place one side upright on the base on the floor with the plywood facing upwards. Place one side upright on the base so that the side overlaps the base, and 2 x 4 vertical supports rest on the plywood portion of the base. Nail the bottom edge of the side into 2 x 4 framing of the base using 1 1/2" screw nails approximately every 8 inches. Place one end in the upright position so that the end rests on the base blocks and the side overlaps the end. Nail the end to the base framing and the 2 x 4 vertical supports on the sides using 1 1/2" screw nails. Assemble other side same as above. Nail loose 2 x 4's in position at both top ends. Place top in position and fasten with (14) 1/4 x 1 1/2" Hex Lag Screws.

COMMERCIAL SHIPPING CONTAINERS

A. MTMC Approval No: 227A

B. Manufacturer: Container Systems, Incorporated  
P.O. Box 519, Highway 56  
Franklinton, NC 27525

C. Testing Facility: N/A

D. Date of Testing: N/A

E. Outer Size: 87"L x 45"W x 87"H

F. Tare Weight: 340 LBS

G. Exterior Weight: 197 Cubic Feet

H. Bill of Materials:

BASE:	1/2" x 86 1/4" x 44 1/4"	Plywood	1 Pc.
	2" x 4" x 44 1/4"	Lumber	2 Pcs.
	2" x 4" x 79 1/4"	Lumber	3 Pcs.
	3" x 4" x 12"	Lumber	9 Pcs.

HARDWARE FOR BASE:	2"	Screw Nails	As Required
	4"	Screw Nails	4 Per Block

TOP:	3/8" x 45" x 87"	Plywood	1 Pc.
	2" x 4" x 46 1/4"	Lumber	2 Pcs.

NO HARDWARE FOR TOP:	2 x 4's	Ship Loose	
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ENDS:	3/8" x 45" x 84 1/8"	Plywood	2 Pcs.
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SIDES:	3/8" x 43 1/8" x 84 1/8"	Plywood	4 Pcs.
	2" x 4" x 78 9/16"	Lumber	4 Pcs.
	2" x 4" x 83 1/8"	Lumber	2 Pcs.
	3/8" x 4 3/4" x 78 9/16"	Plywood	4 Pcs.

HARDWARE FOR SIDES: 1" Divergent Point Staple As Required

CAULKING: All seams must be caulked during the assembly process dOW corning 100% silicon caulking. Bead size to be 1/2".

MTMC Approval No: 227A (Continued)

**ASSEMBLY INSTRUCTIONS:** Place one side upright on the base on the floor with the plywood facing upwards. Place one side upright on the base so that the side overlaps the base, and 2 x 4 vertical supports rest on the plywood portion of the base. Nail the bottom edge of the side into 2 x 4 framing of the base using 1 1/2" screw nails approximately every 8 inches. Place one end in the upright position so that the end rests on the base blocks and the side overlaps the end. Nail the end to the base framing and the 2 x 4 vertical supports on the sides using 1 1/2" screw nails. Assemble other side same as above. Nail loose 2 x 4's in position at both top ends. Place top in position and fasten with (14) 1/4 x 1 1/2" Hex Lag Screws.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 228A
- B. Manufacturer: Northwest Containers, Inc.  
P.O. Box 427  
Toledo, Washington 98591
- C. Testing Facility: Carlson Testing, Inc.
- D. Date of Testing: 31 Jan 96
- E. Outer Size: 87"L x 47"W x 87"H
- F. Tare Weight: 420 lbs
- G. Cube: 206 Cubic Feet
- H. Bill of Materials:

TOP:	1/2" x 47" x 87"	Plywood	1 Pc.
	2" x 4" x 46 1/4"	Lumber	2 Pcs.
BASE:	2" x 4" x 17 7/8"	Lumber	2 Pcs.
	4" x 4" x 12"	Lumber	9 Pcs.
	2" x 4" x 79"	Lumber	3 Pcs.
	5/8" x 46 1/4" x 86"	Plywood	1 Pc.
	2" x 4" x 46 1/4"	Lumber	2 Pcs.
ENDS:	1/2" x 46 1/4" x 83 3/4"	Plywood	2 Pcs.
SIDES:	2" x 4" x 86"	Lumber	2 Pcs.
	2" x 4" x 78 1/4"	Lumber	4 Pcs.
	3/8" x 43 1/2" x 83 3/4"	Plywood	4 Pcs.
	3/8" x 5 1/4" x 78 1/4"	Plywood	2 Pcs.

HARDWARE: 90 (16d) Galvanized Nails; 120 (8d) Galvanized Nails; 250 (1 1/2 x 1/2) Galvanized Crown Staples; 50 (5/8 x 1/2) Galvanized Crown Staples.

ASSEMBLY INSTRUCTIONS: Place floor on 4 x 4 x 12 blocks. Leave offset of 3/8" on sides and 1/2" on ends. Secure with four 16d galvanized nails per block. All subsequent seams must be sealed with non-hardening butyl caulk. All existing seams were caulked during manufacturing procedure. Secure sides to base blocks with 16d galvanized nails and complete fastening with 8d galvanized nails with 8" spacing. Fasten 2 x 4 x 44 1/4 at ends of side panel with 8d galvanized nails. Caulk top of container and secure top panel with 8d galvanized nails with 8" spacing, checking container for overall squareness. Caulk and position end panels and secure with 8d galvanized nails with 8" spacing.



COMMERCIAL SHIPPING CONTAINERS

A. MTMC Approval No: 228B

B. Manufacturer: Northwest Containers, Inc.  
P.O. Box 427  
Toledo, Washington 98591

C. Testing Facility: N/A

D. Date of Testing: N/A

E. Outer Size: 87"L x 45"W x 87"H

F. Tare Weight: 380 lbs

G. Cube: 196 Cubic Feet

H. Bill of Materials:

TOP:	1/2" x 45" x 87"	Plywood	2 Pcs.
	2" x 4" x 44 1/4"	Lumber	2 Pcs.
BASE:	2" x 4" x 16 7/8"	Lumber	2 Pcs.
	4" x 4" x 12"	Lumber	9 Pcs.
	2" x 4" x 79"	Lumber	3 Pcs.
	5/8" x 44 1/4" x 86"	Plywood	5 Pcs.
	2" x 4" x 44 1/4"	Lumber	2 Pcs.
ENDS:	1/2" x 44 1/4" x 83 3/4"	Plywood	2 Pcs.
SIDES:	2" x 4" x 86"	Lumber	2 Pcs.
	2" x 4" x 78 1/4"	Lumber	4 Pcs.
	3/8" x 43 1/2" x 83 3/4"	Plywood	4 Pcs.
	3/8" x 5 1/4" x 78 1/4"	Plywood	2 Pcs.
HARDWARE: 90 (16d) Galvanized Nails			
120 (8d) Galvanized Nails			
250 (1 1/2 x 1/2) Galvanized Crown Staples			
50 (5/8 x 1/2) Galvanized Crown Staples.			

ASSEMBLY INSTRUCTIONS: Same as Container 228-A. Ref Item 2I.

COMMERCIAL SHIPPING CONTAINERS

A. MTMC Approval No: 228C

B. Manufacturer: Northwest Containers, Inc.  
P.O. Box 427  
Toledo, Washington 98591

C. Testing Facility: N/A

D. Date of Testing: N/A

E. Outer Size: 87"L x 45"W x 87"H

F. Tare Weight: 370 lbs

G. Cube: 192.6 Cubic Feet

H. Bill of Materials:

TOP:	1/2" x 45" x 85 "	OSB/Plywood	1 Pc.
	2" x 4" x 44 1/4"	Lumber	2 Pcs.
BASE:	2" x 4" x 16 5/8"	Lumber	2 Pcs.
	3" x 4" x 12"	Lumber	9 Pcs.
	2" x 4" x 44 1/4"	Lumber	2 Pcs.
	5/8" x 44 1/4" x 84"	OSB/Plywood	1 Pc.
	2" x 4" x 76 3/4"	Lumber	3 Pcs.
ENDS:	1/2" x 44 1/4" x 83 3/4"	OSB/Plywood	2 Pcs.
SIDES:	2" x 4" x 84 "	Lumber	2 Pcs.
	2" x 4" x 78 1/4"	Lumber	4 Pcs.
	3/8" x 42 1/2" x 83 7/8"	OSB/Plywood	4 Pcs.
	3/8" x 5 1/4" x 78 1/4"	OSB/Plywood	2 Pcs.
HARDWARE:	90 (16d) Galvanized Nails		
	120 (8d) Galvanized Nails		
	250 (1 1/2 x 1/2) Galvanized Crown Staples		
	50 (5/8 x 1/2) Galvanized Crown Staples.		

ASSEMBLY INSTRUCTIONS: Same as Container 228-A. Ref Item 2I.

COMMERCIAL SHIPPING CONTAINERS

- A. MTMC Approval No: 228D
- B. Manufacturer: Northwest Containers, Inc.  
P.O. Box 427  
Toledo, Washington 98591
- C. Testing Facility: N/A
- D. Date of Testing: N/A
- E. Outer Size: 87"L x 45"W x 87"H
- F. Tare Weight: 335 lbs
- G. Cube: 191.5 Cubic Feet
- H. Bill of Materials:

TOP:	3/8" x 45" x 84 3/4 "	OSB/Plywood	1 Pc.
	2" x 4" x 44 1/4"	Lumber	2 Pcs.
BASE:	2" x 4" x 16 5/8"	Lumber	2 Pcs.
	3" x 4" x 12"	Lumber	9 Pcs.
	2" x 4" x 44 1/4"	Lumber	2 Pcs.
	1/2" x 44 1/4" x 84"	OSB/Plywood	1 Pc.
	2" x 4" x 76 3/4"	Lumber	3 Pcs.
ENDS:	3/8" x 44 1/4" x 83 3/4"	OSB/Plywood	2 Pcs.
SIDES:	2" x 4" x 84" (Notched )	Lumber	2 Pcs.
	2" x 4" x 78 1/4"	Lumber	4 Pcs.
	3/8" x 42 3/8" x 83 3/4"	OSB/Plywood	4 Pcs.
	3/8" x 5 1/4" x 78 1/4"	OSB/Plywood	1 Pc.

HARDWARE: 90 (16d) Galvanized Nails; 120 (8d) Galvanized Nails; 250 (1 1/2 x 1/2) Galvanized Crown Staples; 50 (5/8 x 1/2) Galvanized Crown Staples.

ASSEMBLY INSTRUCTIONS: Place floor on 4x4x12 blocks. Leave offset of 3/8" on sides and 3/8" on ends. Secure with four 16d galvanized nails per block. All subsequent seams must be sealed with nonhardening butyl caulk. All existing seams were caulked during manufacturing procedure. Secure sides to base blocks with 16d galvanized nails and complete fastening with 8d galvanized nails with 8" spacing. Fasten 2x4x44 1/4" at ends of side panel with 8d galvanized nails. Caulk top of container and secure top panel with 8d galvanized nails with 8" spacing, checking container for overall squareness. Caulk and position end panels and secure with 8d galvanized nails with 8" spacing.

COMMERCIAL SHIPPING CONTAINERS

A. MTMC Approval No: 228E

B. Manufacturer: Northwest Containers, Inc.  
P.O. Box 427  
Toledo, Washington 98591

C. Testing Facility: N/A

D. Date of Testing: N/A

E. Outer Size: 87"L x 45"W x 87"H

F. Tare Weight: 320 lbs

G. Cube: 191.5 Cubic Feet

H. Bill of Materials:

TOP:	3/8" x 45" x 84 3/4 "	Plywood	1 Pc.
	2" x 4" x 44 1/4"	Lumber	2 Pcs.
BASE:	2" x 4" x 16 5/8"	Lumber	2 Pcs.
	3" x 4" x 12"	Lumber	9 Pcs.
	2" x 4" x 44 1/4"	Lumber	2 Pcs.
	1/2" x 44 1/4" x 84"	Plywood	1 Pc.
	2" x 4" x 76 3/4"	Lumber	3 Pcs.
ENDS:	3/8" x 44 1/4" x 83 3/4"	Plywood	2 Pcs.
SIDES:	3 1/2" x 1 1/8" x 84 "	Laminated Veneer	2 Pcs.
		Lumber (Notched)	
	3 1/2" x 1 1/8" x 78 1/4"	Lam. Veneer Lumber	4 Pcs.
	3/8" x 42 3/8" x 83 3/4"	Plywood	4 Pcs.
	3/8" x 5 1/4" x 78 1/4"	Plywood	1 Pc.

HARDWARE: 90 (16d) Galvanized Nails; 120 (8d) Galvanized Nails; 250 (1 1/2 x 1/2) Galvanized Crown Staples; 50 (5/8 x 1/2) Galvanized Crown Staples.

ASSEMBLY INSTRUCTIONS: Same as instructions for 228D.

COMMERCIAL SHIPPING CONTAINERS

A. MTMC Approval No: 228F

B. Manufacturer: Northwest Containers, Inc.  
P.O. Box 427  
Toledo, Washington 98591

C. Testing Facility: N/A

D. Date of Testing: N/A

E. Outer Size: 87"L x 45"W x 87"H

F. Tare Weight: 325 lbs

G. Cube: 191.5 Cubic Feet

H. Bill of Materials:

TOP:	3/8" x 45" x 84 3/4 "	OSB/Plywood	1 Pc.
	2" x 4" x 44 1/4"	Lumber	2 Pcs.
BASE:	2" x 4" x 16 5/8"	Lumber	2 Pcs.
	2" x 4" x 12"	Lumber	18 Pcs.
	2" x 4" x 44 1/4"	Lumber	2 Pcs.
	1/2" x 44 1/4" x 84"	OSB/Plywood	1 Pc.
	2" x 4" x 76 3/4"	Lumber	3 Pcs.
ENDS:	3/8" x 44 1/4" x 83 3/4"	OSB/Plywood	2 Pcs.
SIDES:	1 1/8" x 3 1/2" x 84"	Laminated Veneer/ Lumber (Notched)	2 Pcs.
	1 1/8" x 3 1/2" x 78 1/4"	Laminated Veneer/ Lumber	4 Pcs.
	3/8" x 36 3/4" x 83 3/4"	OSB/Plywood	2 Pcs.
	3/8" x 48 x 83 3/4 "	OSB/Plywood	2 Pcs.
	3/8" x 5 1/4" x 78 1/4"	OSB/Plywood	1 Pc.

HARDWARE: 90 (16d) Galvanized Nails; 120 (8d) Galvanized Nails; 250 (1 1/2 x 1/2) Galvanized Crown Staples; 50 (5/8 x 1/2) Galvanized Crown Staples.

ASSEMBLY INSTRUCTIONS: Same as instructions for 228D.

COMMERCIAL SHIPPING CONTAINERS

A. MTMC Approval No: 229

B. Manufacturer: The Servants, Inc.  
P.O. Box 848  
Jasper, IN 47547-0848

C. Testing Facility: GH Package/Product Testing and Consulting

D. Date of Testing: 14-18 Nov 1996

E. Outer Size: 88"L x 46"W x 88"H

F. Tare Weight: 175 lbs

G. Cube: 206 Cubic Feet

H. Bill of Materials:

WRAP: 4 Per Skid - V3C - 22 3/4" x 84 3/4"

LEGS: 24 Per Skid - V11C - 5 1/2" x 6" (3 1/2" x 37 13/16")

D/C TOP: 2 Per Skid - 1300 Triwall - 86 1/8" x 40 3/4"

TOP TRAY: 1 Per Skid – Triwall, weather resistant export grade - 60 5/8" x 104 7/8"

BOTTOM TRAY: 1 Per Skid – Triwall, weather resistant export grade - 60 5/8" x 104 7/8"

INNER SLEEVE: 2 Per - 1300 Triwall - 86" x 95 1/2"

WRAP AROUND END PANEL: 2 Per - 1300 Triwall - 86" x 129 7/8"

TOP STABILIZER: 1 Per - 275, W5 or V3 - 55" x 15 3/16"

1/8" MASONITE: 1 Per - 40 3/4" x 84 3/4"

SHIPPING CORNER: 4 Per - 275 - 16" x 15"

4" x 6" VELCRO: 4 Sets Per

MTMC Approval No: 229 (Continued)

**ASSEMBLY INSTRUCTIONS:**

- (1) Take lid off and remove all of the parts of the pack
- (2) Insert the 2 long side panels into the bottom tray. The cutouts on the bottom tray will meet the cutouts on the side panels.
- (3) Put end panel on the back of the bottom tray where the flaps are stapled and glued. The front of the pack has flaps with Velcro fasteners that meet and close the bottom tray.
- (4) Place the top spreader bar in the center of the 2 side panels.
- (5) Place the top on the 2 side panels and 1 end panel. The Velcro fasteners are in the front, and the stapled and glued flaps will be in the back, and will match with the bottom tray.
- (6) With front Velcro flaps open, load household goods into pack.
- (7) When the pack is loaded, put the front panel to the front of the pack to fit in like end panel, making sure that the cutouts of the front panel meet the cutouts on the bottom tray. The flaps of the front panel fit inside both of the bottom tray and top flaps.
- (8) To close, fold top and bottom tray flaps in so that the Velcro catches.
- (9) Contract the manufacturer if additional assistance is needed.

COMMERCIAL SHIPPING CONTAINERS

A. MTMC Approval No: 229A

B. Manufacturer: David S. Smith Packaging, Ltd.  
16 Great Peter Street  
London, England

C. Testing Facility: GH Package/Product Testing and Consulting

D. Date of Testing: 14-18 Nov 1996

E. Outer Size: 88"L x 46"W x 88"H

F. Tare Weight: 175 lbs

G. Cube: 206 Cubic Feet

H. Bill of Materials:

WRAP: 4 Per Skid - V3C - 22 3/4" x 84 3/4"

LEGS: 24 Per Skid - V11C - 5 1/2" x 6" (3 1/2" x 37 13/16")

D/C TOP: 2 Per Skid - 1300 Triwall - 86 1/8" x 40 3/4"

TOP TRAY: 1 Per Skid – Triwall, weather resistant export grade - 60 5/8" x 104 7/8"

BOTTOM TRAY: 1 Per Skid – Triwall, weather resistant export grade - 60 5/8" x 104 7/8"

INNER SLEEVE: 2 Per - 1300 Triwall - 86" x 95 1/2"

WRAP AROUND END PANEL: 2 Per - 1300 Triwall - 86" x 129 7/8"

TOP STABILIZER: 1 Per - 275, W5 or V3 - 55" x 15 3/16"

1/8" MASONITE: 1 Per - 40 3/4" x 84 3/4"

SHIPPING CORNER: 4 Per - 275 - 16" x 15"

4" x 6" VELCRO: 4 Sets Per



MTMC Approval No: 229A (Continued)

**ASSEMBLY INSTRUCTIONS:**

- (1) Take lid off and remove all of the parts of the pack
- (2) Insert the 2 long side panels into the bottom tray. The cutouts on the bottom tray will meet the cutouts on the side panels.
- (3) Put end panel on the back of the bottom tray where the flaps are stapled and glued. The front of the pack has flaps with Velcro fasteners that meet and close the bottom tray.
- (4) Place the top spreader bar in the center of the 2 side panels.
- (5) Place the top on the 2 side panels and 1 end panel. The Velcro fasteners are in the front, and the stapled and glued flaps will be in the back, and will match with the bottom tray.
- (6) With front Velcro flaps open, load household goods into pack.
- (7) When the pack is loaded, put the front panel to the front of the pack to fit in like end panel, making sure that the cutouts of the front panel meet the cutouts on the bottom tray. The flaps of the front panel fit inside both of the bottom tray and top flaps.
- (8) To close, fold top and bottom tray flaps in so that the Velcro catches.
- (9) Contract the manufacturer if additional assistance is needed.

COMMERCIAL SHIPPING CONTAINERS

A. MTMC Approval No: 230

B. Manufacturer: TIMEXCO International LLC  
917 Lakeside Drive  
McCalla, AL 35111

C. Testing Facility: Container Technologies Laboratory, Inc.

D. Date of Testing: 25 Oct 99

E. Outer Size: 87"L x 47"W x 84"H

F. Tare Weight: 450lbs

G. Cube: 188.5 Cubic Feet

H. Bill of Materials:

BASE: 1/2" x 46" x 87"	Plywood	1 pc.
2 3/4" x 1 1/4" x 85"	Lumber	2 pcs.
2 3/4" x 1 1/4" x 46"	Lumber	1 pc.
2 3/4" x 2 3/4" x 11 1/2"	Lumber	6 pcs.
TOP: 1/4" x 47" x 87"	Plywood	1 pc.
1 1/4" x 3" x 46"	Lumber	2 pcs.
END: 1/4" x 46" x 83"	Plywood	2 pcs.
SIDES: 1/4" x 44" x 83"	Plywood	4 pcs.
1/4" x 7" x 78"	Plywood	2 pcs.
1 1/4" x 3" x 78"	Lumber	2 pcs.
1 1/4" x 3" x 80"	Lumber	4 pcs.
1 1/4" x 3" x 81"	Lumber	2 pcs.

Top Hardware: 36 (2 1/2") Galvanized Nails

Base Hardware: 50 (2 1/2") Galvanized Nails; 30 (1 1/4") Galvanized Nails; 24 (4") Galvanized Nails

MTMC Approval No: 230 (Continued)

End Hardware: 36 (2 1/2") screws, 36 (1" x 1/10") washers

Side Hardware: 60 (1 1/2") Galvanized Nails; 100 (2 1/2") Galvanized Nails; 40 (1 1/2") screws; 36 (2 1/2") screws; 36 (1 x 1/10") washers

#### ASSEMBLY INSTRUCTIONS:

(1) Place the base of the container on a level surface with the six supporting blocks on the ground. The supporting blocks and all framing will be nailed to the plywood at the factory.

(2) Place the right side panel on the base with the framing lumber to the inside resting on the base framing lumber. All side framing lumber will be attached to the side panels at the factory. Attach the side panel to the base from the outside using 18 each 2 1/2 inch screws with the 1 1/10 inch washers placing one every 5 inches along the bottom ensuring they go into the framing lumber on the inside attached to the base. Attach the left side panel in the same manner as the right side panel.

(3) Place the end piece on the rear between the left and right side panels. Attached the end panel using 36 each 2 1/2 in screws with 1/10 inch washers spaced 7.5 inches apart along the perimeter of the end piece, insert the screws from the outside into the framing lumber.

(4) Attach the top piece by inserting it from above onto the side and end pieces resting on the framing lumber. Using 36 each 2 1/2 inch nails along the perimeter of the top nail the top to the sides and back piece from the outside.

(5) Apply an approved sealing caulk in the grooves along all reinforcing bunks. The bead size for all caulked joints and seams will be 1/2 inch. For transport empty attach the door using 4 to 6 1 1/2 in screws.

(6) Using 40 each 1 1/2 inch screws, attach the end door and associated framing lumber provided into the frame of the box using the provided end door and lumber. Use 36 each 1 1/2 inch screws for the perimeter and 2 each at the joint of the top and bottom framing which complete the end.